

Climatological Data for May, 1910.

DISTRICT No. 12, COLUMBIA VALLEY.

EDWARD A. BEALS, District Editor.

GENERAL SUMMARY.

May was mild and dry and it was the third consecutive month since last winter with an excess in temperature and a deficiency in precipitation. Consequently the season is further advanced than usual, which fact is confirmed by the behavior of the annual rise in the Columbia River. This rise is almost wholly due to the melting of snow in the mountains, the rate of the melting depending largely upon temperature and sunshine, which are the same factors that contributed so largely to the rapid advancement in plant growth this year. The average time of the beginning of the annual rise in the Columbia River is May 19, and the average time the crest reaches the lower portion of the stream is June 11, while this year the annual rise began the latter part of April and the crest had reached the lower portion of the stream on May 15, 27 days earlier than usual. During the last half of the month the Columbia River fell slowly and by the 31st it had reached a stage that caused scarcely any inconvenience.

The rainfall, although deficient, fell opportunely and there were no long dry periods to check the growth of vegetation, except in a few of the dry farming sections where the crops needed more rain and were reported to be in poor condition at the end of the month. Some fruit was damaged by frosts on the 14th and 15th, but the crop as a whole escaped serious injury. The number of fruit growers who use protective measures during frosty nights is constantly increasing in this district, and the crops in many commercial orchards were saved by means of fires which raised the temperature through direct heating of the air as much as 8° or 10°.

Although quite a number of hailstorms occurred the damage done by them was insignificant.

TEMPERATURE.

The mean temperature, as determined from the records of 234 stations, was 56.6°, and it was above the normal in practically all sections, especially in central Idaho, Oregon, and central Washington. The mean temperature in Oregon was the highest recorded since 1897, and in Idaho since 1901. The greatest departures above the seasonal average were 5.5° in the upper Snake River Valley in Idaho, 4.6° in the highlands of eastern Oregon, 4.0° and over in the Columbia River Valley, in central Washington, and northern Oregon, and 3.6° to 4.2° in the Willamette and the Rogue River Valleys in western Oregon. The mean temperatures were slightly below the normal near the mouth of the Columbia River, and in northwestern Washington on the Strait of Juan de Fuca. The least variations from normal temperatures for May were along the coast and Puget Sound regions, and in the elevated sections of the eastern portion of the district.

The warmest sections were in the bottom lands of the Snake River, along the central portion of its course, where mean temperatures of 60° to 64° occurred, in the Columbia Valley, from the International boundary to the gorge, in the Cascade Mountains, where the mean temperatures were 59° to 67°, in the lower Willamette Valley and in the upper valleys of the Umpqua and the Rogue rivers in western Oregon with mean temperatures of 60° to 61°, while temperatures of 59° and over, occurred in the Valley of the Clearwater River in north-central Idaho. The coolest sections were in the higher elevations of the interior and along the coasts.

There were 3 quite marked, though short, cold periods; the first 3 days of the month, the 15th, 16th, and 17th, and the 20th and 21st, with a delay in the occurrence in western Mon-

tana of the last cold spell until the 26th. The lowest temperatures occurred generally during the first portion of the first decade, or the middle portion of the second decade, and frost conditions obtained generally over the eastern part of the district at these times.

The highest mean temperature was 67.2° at Blalock, Oreg., in the Columbia River drainage basin, at an elevation of 237 feet; and the lowest was 44.0° at Musick, Oreg., on the western slope of the Cascade Mountains, at an elevation of 5,000 feet. The highest recorded temperature was 107° at Garnet, Idaho, in the middle Snake drainage basin, at an elevation of 2,575 feet, on the 31st, and the lowest was 14° at Range, Oreg., in the Blue Mountains, at an elevation of 3,500 feet, on the 4th.

PRECIPITATION.

The average precipitation, as determined from the records of 333 stations, was 1.68 inch, which is below the normal. The monthly amounts were generally much less than the average, although at Cascade Locks and at Prineville, Oreg., in the Columbia and the Deschutes valleys, respectively, the rainfall exceeded the normal by more than 1 inch. The greatest deficiencies occurred on the western slopes of the Coast Range of mountains in the coast drainage area, in eastern Washington, near the headwaters of the branches of the Columbia in western Montana, and near the headwaters of the Snake River in southeastern Idaho and western Wyoming; in the sections mentioned the deficiencies were more than 1 inch, and in localities along the coast in western Oregon the deficiencies ranged between 2.44 inches and 3.41 inches, according to the reports from 6 stations.

There were 3 distinct precipitation periods: The 1st to 5th, 9th to 14th, and 24th to 29th, except in Montana where the rainless periods were of short duration, separating 5 rainy periods of 1 to 5 days each. In all sections the moisture was so well distributed throughout the month that it was of the greatest possible value. Very little snow fell, except at high altitudes.

The greatest monthly precipitation was 6.10 inches at Snowshoe, Mont., in the Kootenai drainage basin, at an elevation of 4,500 feet, and none occurred at Ephrata, Wash., in the Columbia basin, at an elevation of 1,265 feet. The greatest 24-hour rainfall was 2.30 inches at Snowshoe, Mont., on the 10th. Other heavy 24-hour falls of 1.50 inch, or more, were: 1.50 at Roseburg, Oreg., on the 9th and 10th; 1.58 at Culdesac, Idaho, on the 27th; 1.62 at Baker, Cedar River, and Snoqualmie Falls, Wash., on the 10th; 1.75 at Pompeii, Oreg., on the 3d; 1.76 at Granite Falls, and Sedro-Woolley, Wash., on the 10th; 1.77 at La Center, Wash., 1.80 at Mount Pleasant, Wash., 1.90 at Mountain Park, Oreg., and 2.14 at Cascade Locks, Oreg., all on the 3d.

THE RIVERS.

The rising stages of the rivers noted during the latter portion of April received a slight check early in May on account of lower temperatures temporarily arresting the rapid melting of the mountain snows. This check was, however, only temporary and the quite general rains of the first decade again increased the flow of water in the streams, culminating in the highest stages of the month generally from the 11th to the 16th. The lowest stages were generally recorded either during the first week or near the end of the month. The latter half of the month showed that the waters were generally receding, though there was a slight rise during the first or the middle portion of the last week, due to a generally rainy period at that time.

The Columbia.—The stages on the 1st of the month were slightly lower than those at the close, and the mean stages, as compared with the records of previous years, ranged between 3.4 feet above the normal at Celilo and 9.3 feet above at Wenatchee. The upper Columbia averaged 6.2 feet higher than the normal, the lower Columbia 4.3 feet higher, or an average for the whole river of 5.0 feet above the normal. At Umatilla only once, and at The Dalles only twice, in the past 16 years has the mean monthly stage exceeded that of the present month, while at Wenatchee and at Newport with 7 years of record each, and at Bonners Ferry with a 6 years' record, the water has never been higher during May. The mean stages were uniformly higher than for April, being 5.7 feet higher at Vancouver, 5.0 feet higher at Umatilla, and 14.9 feet higher at Wenatchee. At Vancouver the river rose from 16.2 feet on the 7th to 17.5 feet on the 31st, at Umatilla from 16.6 feet on the 5th to 17.9 feet on the 31st, at Wenatchee from 27.6 feet on the 1st to 33.8 feet on the 31st, and at Northport from 13.7 feet on the 1st to 22.8 feet on the 31st.

The decreasing of the waters at the close of the month apparently marked the end of the so-called "June rise" of the Columbia, which every year is looked forward to with more or less apprehension on the part of merchants and boatmen, as well as by ranchmen having the bottom lands under cultivation. Navigation was uninterrupted, except during that portion of the month from the 12th to the 18th, inclusive, when the highest water occurred in the lower Columbia. During the period mentioned full-freighted boats could not ascend against the strong current at Cascade Locks, and were compelled to return to Portland and discharge a portion of their cargoes before passing the locks. On account of natural obstructions the Columbia River is not navigable as far up as the International boundary, though it is quite probable that the greater portion of these obstructions will at some time in the future be removed. Rapids at several points above the junction of the Snake and the Columbia prevent through navigation of the latter river from Priest Rapids nearly to Wenatchee. Steamboats operate on this river throughout the year between Wenatchee and Brewster, a distance of 76 miles, daily, and it is also possible for them to proceed to Bridgeport, 12 miles above Brewster, which they do when the volume of business warrants. During the months of May and June it is possible for boats to navigate the Okanogan River as far as Riverside, 57 miles, and during the month just closed 3 trips were made to that port, while the twice-a-week service to Okanogan, 37 miles, and to Omak, 42 miles, was maintained.

The Snake.—The mean of the daily stages at the several stations for the month averaged 0.2 foot below those for April, but was 0.8 foot above the normal for May. The water was highest on the 1st, or on the 11th, and the lowest on the 30th or the 31st. At Lewiston the river rose from 13.4 feet on the 1st to 14.7 feet on the 11th, falling again to 10.5 feet at the close of the month. At Weiser, there was a steady fall from 10.3 feet on the 1st to 7.1 feet on the 30th. The Snake River was open to navigation throughout the month as far as Asotin, Idaho.

The Willamette.—The highest water in the Willamette occurred on the 11th and 12th, except at Portland, where the stage was influenced by backwater from the rising Columbia, and where the highest stage recorded was 19.1 feet on the 15th and 16th, this being 4.1 feet above the flood stage. As timely warnings of the daily stages were issued from the Portland office, the damage resulting from the high water must have been very slight, if any.

At Jefferson, on the Santiam, the highest stage was reached on the 2d, and at McMinnville, on the Yamhill, on the 4th; in these cases the height of the water was influenced by local rains during the first days of the month. With the exception of Portland, which as before stated, recorded higher water on account of the backwater from the Columbia, the mean stages

for the month were less than the normal, and were as follows: Eugene, -0.2 foot; Albany, -1.4 foot; Salem, -1.9 foot; Jefferson, -0.6 foot; McMinnville, -0.7 foot; and Estacada, -0.3 foot. At Portland the combined influences of the Willamette and the Columbia caused the river to reach a stage of 19.1 feet, which is 3.7 feet above the normal for May. At no place along the Willamette, Portland excepted, was the stage during May as high as those of April.

During the latter portion of the month navigation on the Willamette was interrupted on account of gravel bars which had formed in the bed of the river, and the falling water would not permit the ordinary traffic to Salem, to which point regular trips throughout the year are generally made, when the river bed is in normal condition. The month closed with stationary or falling conditions in the rivers at all stations.

MISCELLANEOUS PHENOMENA.

The prevailing winds were from the southwest. There was an excess of sunshine over the entire district. The percentage of possible sunshine was 73 at Spokane, 59 at Seattle and 63 at Portland. Frosts were general on the 14th and 15th. Thunderstorms and hail were reported from many stations during the latter part of the month. The highest reported wind velocity was 64 miles from the southeast at North Head, Wash., on the 26th.

PROPOSED IRRIGATION OF THE HORSE HEAVEN COUNTRY.

The land which it is proposed to irrigate lies between the Yakima and Columbia rivers, though wholly on the watershed of the Columbia. The Klickitat Irrigation and Power Company, which has made extensive surveys and plans for the work, proposes to get the water from the big Klickitat River. This river drains a large watershed on the east and north sides of Mount Adams. About 100 miles of ditch will be necessary between the intake and the point where the water begins to be distributed. Along the proposed ditch are numerous sites for reservoirs for impounding and conserving the water of the streams crossing the course of the ditch. Several hundred thousand acres of land are tributary. The land is said to lie unusually well for irrigation.

The land owners in this region have organized themselves into an association to cooperate with the irrigation company and facilitate the enterprise.—*L. C. F.*

DUST SHOWER IN NORTHERN IDAHO.

The daily papers report a fall of "a sulphurous looking substance" in connection with showers occurring in Nez Perce and other northern Idaho counties on May 25. The official in charge of the local office of the Weather Bureau at Lewiston has this to say regarding it:

The "sulphurous looking substance" was evidently nothing more than pollen from wild mustard, great quantities of which were in full bloom in this valley at the time the phenomenon occurred. The pollen was doubtless scattered broadcast by a brisk to high wind and was then collected by showers that immediately followed the wind and carried into pools where it remained about the edges after the water had disappeared. This was the conclusion I came to after carefully examining a sample of the deposit and comparing it with mustard pollen.

THE IDAHO IRRIGATION PROJECT.

By EDWARD L. WELLS, Section Director.

The Idaho Irrigation Company is the name of a corporation that is undertaking the reclamation of about 40,000 acres of land in Lincoln County Idaho, in the vicinity of Richfield, Gooding, Shoshone, and Dietrich.

The water is obtained from the Wood River, sometimes known as the Malad, and its tributaries, which have their sources in some of the highest mountains in the State. The

TABLE 1.—*Climatological data for May, 1910. District No. 12, Columbia Valley;*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Number of partly cloudy days. | Number of cloudy days. | Prevailing wind direction. | Observers. |
|----------------------|------------------|-------------------|------------------------|-------------------------------------|----------------------------|-----------------|-----------------|-----------------|-------|---------------------------|--------|-----------------------|-------------------------|-----------------------------------------|-----------------------|----------------|-------------------------------|------------------------|----------------------------|------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Greatest in 24 hours. | Total snowfall unmeted. | Number of rainy days, 0.1 inch or more. | Number of clear days. | | | | | |
| <i>Montana.</i> | | | | | | | | | | | | | | | | | | | | |
| Anaconda. | Deer Lodge | 5,300 | 9 | 51.1 | ..... | 81 | 31 | 24 | 2 | 39 | 1.78 | ..... | 0.60 | T. | 8 | ..... | ..... | ..... | C. D. Demond. | |
| Bison. | Powell | 7,240 | ..... | ..... | ..... | ..... | ..... | 24 | 16 | 46 | 4.14 | + 0.88 | 0.90 | 15.0 | 10 | 13 | 12 | 6 | C. H. Anderson. | |
| Columbia Falls. | Flathead | 3,100 | 16 | 53.2 | + 2.0 | 85 | 24 | 25 | 16 | 46 | 4.14 | + 0.88 | 1.02 | 0.0 | 7 | 11 | 12 | 8 | Mrs. I. M. Kennedy. | |
| Comosque. | Ravalli | 2 | 56.4 | ..... | ..... | 86 | 31 | 25 | 16 | 41 | 1.19 | ..... | 0.38 | 0.0 | 7 | 17 | 8 | 6 | Hiram Platt. | |
| Derby | ..... | 3,825 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.38 | 0.0 | 7 | 17 | 8 | 6 | W. A. Kerlee. | |
| Dayton | Flathead | 2,800 | 6 | 54.0 | ..... | 85 | 24 | 24 | 1 | 46 | 1.78 | ..... | 1.00 | ..... | 7 | ..... | ..... | ..... | Charles Frost. | |
| East Anaconda. | Deer Lodge | 5,500 | 5 | 52.4 | ..... | 81 | 31 | 28 | 1 | 39 | 1.78 | ..... | 0.64 | T. | 9 | 16 | 7 | 8 | C. D. Demond. | |
| Fortine. | Lincoln | 2,975 | 4 | 52.7 | ..... | 88 | 9 | 19 | 1 | 53 | 1.66 | ..... | 0.58 | ..... | 10 | 13 | 8 | 10 | Mike Petery. | |
| Hamilton. | Ravalli | 3,575 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. B. Currie. | |
| Hat Creek. | Powell | 6,000 | ..... | ..... | ..... | ..... | ..... | 29 | 1 | 39 | 1.67 | - 0.36 | 0.60 | 9.2 | 8 | 15 | 8 | 8 | M. K. Landreth. | |
| Kalispell. | Flathead | 2,985 | 11 | 54.8 | + 3.8 | 81 | 24 | 29 | 1 | 39 | 1.57 | ..... | 0.61 | 0.0 | 3 | 13 | 7 | 11 | U. S. Weather Bureau. | |
| Lost Creek. | Deer Lodge | 3,200 | ..... | ..... | ..... | 85 ^a | 23 | 21 ^a | 1 | 47 ^a | 2.33 | ..... | 0.83 | T. | 6 | 8 | 13 | 10 | Frank Henault. | |
| McGinnis Meadows. | Lincoln | 52.2 ^a | 2 | 55.8 | + 2.0 | 89 | 31 | 26 | 16 | 48 | 1.92 | - 0.21 | 0.65 | ..... | 8 | ..... | ..... | ..... | H. L. Beebe. | |
| Missoula. | Missoula | 3,225 | 32 | 55.8 | + 2.0 | 89 | 31 | 26 | 16 | 48 | 2.76 | ..... | 0.97 | 8.5 | 7 | 16 | 10 | 5 | U. S. Weather Bureau. | |
| Ophir. | Powell | 8,800 | ..... | ..... | ..... | 88 | 31 | 20 | 1 | 53 | 0.70 | - 1.77 | 0.32 | 0.0 | 4 | 31 | 0 | 0 | E. S. Wilson. | |
| Orondo. | ..... | 4,207 | 10 | 47.7 | 0.0 | 88 | 31 | 23 | 1 | 50 | 2.10 | ..... | 0.84 | 2.0 | 5 | 20 | 6 ^a | 4 ^a | S. B. Muchmore. | |
| Philipsburg. | Granite | 5,275 | 7 | 52.1 ^a | ..... | 88 | 31 | 23 | 1 | 50 | 2.05 | ..... | 0.60 | 0.0 | 2 | 18 | 0 | 13 | G. T. Bramble. | |
| Plains. | Sanders | 2,475 | 2 | 54.8 | + 2.8 | 89 | 23 | 28 | 1 | 47 | 0.90 | - 0.92 | 0.76 | 0.5 | 10 | 13 | 12 | 6 | M. H. Pierce. | |
| Pleasant Valley. | Flathead | 3,500 | 3 | 52.2 | ..... | 83 | 31 | 22 | 1 | 45 | 2.05 | ..... | 0.62 | 0.0 | 8 | ..... | ..... | ..... | A. D. Stillman. | |
| Polson. | ..... | 2,920 | 2 | 57.4 | ..... | 85 | 23 | 31 | 16 | 37 | 1.30 | ..... | 0.56 | 0.2 | 12 | 16 | 7 | 8 | U. S. Reclamation Service. | |
| St. Ignatius. | Missoula | 2,700 | 4 | 55.2 | ..... | 86 | 24 | 26 | 1 | 45 | 2.00 | ..... | 0.48 | 0.0 | 7 | 6 | 19 | 6 | R. D. Lee. | |
| St. Regis. | ..... | 2,650 | 2 | 54.0 | ..... | 90 | 31 | 22 | 1 | 52 | 1.85 | ..... | 0.30 | 0.0 | 7 | 8 | 15 | 8 | E. K. Tarbox. | |
| Saltse. | ..... | 3,600 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.25 | ..... | 1.28 | 0.0 | 7 | 23 | 1 | 7 | J. C. Riter. | |
| Snowshoe. | Lincoln | 4,500 | 4 | 50.4 | ..... | 80 | 31 | 26 | 1 | 33 | 6.10 | ..... | 2.30 | 1.0 | 12 | 8 | 8 | 15 | W. E. Milnor. | |
| Troy. | ..... | 1,880 | 14 | 56.8 | + 3.0 | 92 | 31 | 28 | 1 | 53 | 1.83 | - 0.19 | 0.60 | 0.0 | 7 | 16 | 7 | 8 | F. F. Liebig. | |
| Upper Lake McDonald. | Flathead | 3,200 | 2 | 53.2 ^a | ..... | 83 ^a | 24 | 29 ^a | 3 | 47 ^a | 3.03 | ..... | 0.66 | ..... | 11 | 8 ^a | 10 ^a | 12 ^a | ..... |  |
| <i>Wyoming.</i> | | | | | | | | | | | | | | | | | | | | |
| Afton. | Uinta | 6,200 | 6 | 47.7 | + 1.3 | 83 | 31 | 19 | 17 | 50 | 1.29 | - 1.65 | 0.47 | 0.5 | 6 | 20 | 3 | 8 | A. V. Call. | |
| Alta. | ..... | 1 | 46.2 | ..... | 82 | 31 | 21 | 17 | 42 | 2.54 | ..... | 1.10 | 4.4 | 12 | 13 | 6 | 12 | ..... | Mrs. Lucy Brown. | |
| Bedford. | ..... | 5,900 | 10 | 46.7 | + 0.5 | 80 | 31 | 19 | 17 | 44 | 1.04 | - 1.56 | 0.42 | 0.0 | 6 | 20 | 4 | 7 | C. G. Heizer. | |
| Snake River. | Yellowstone Park | 7,000 | 4 | 42.3 | ..... | 79 | 31 | 11 | 2 | 50 | 2.60 | ..... | 0.40 | 15.0 | 10 | 16 | 3 | 12 | U. S. Army. | |
| <i>Nevada.</i> | | | | | | | | | | | | | | | | | | | | |
| San Jacinto. | Elko | 49.1 | ..... | 80 | 31 | 23 | 17 | 51 | 1.30 | ..... | 1.27 | 2.0 | 2 | 15 | 11 | 5 | sw. | Moses Jones. | | |
| <i>Utah.</i> | | | | | | | | | | | | | | | | | | | | |
| Standrod. | Boxelder | 6 | 53.6 | ..... | 84 | 31 | 27 | 16 | 36 | 0.99 | ..... | 0.63 | 3.8 | 5 | 18 | 4 | 9 | sw. | T. B. Jones. | |
| <i>Idaho.</i> | | | | | | | | | | | | | | | | | | | | |
| Atlanta. | Elmore | 5,500 | 4 | ..... | ..... | 97 | 31 | 23 | 17 | 57 | 0.81 | ..... | 0.38 | T. | 3 | ..... | ..... | ..... | H. Warder Lewis. | |
| Albion. | Cassia | 8 | 54.3 | ..... | ..... | 90 | 31 | 28 | 1 | 48 | 1.82 | ..... | 0.40 | 0.0 | 5 | 21 | 8 | 2 | G. A. Axline. | |
| Almo. | ..... | 2 | ..... | ..... | ..... | 90 | 24 | 28 | 1 | 48 | 1.82 | ..... | 1.02 | 0.0 | 6 | 20 | 5 | 6 | Wm. L. Eames. | |
| American Falls. | Oneida | 4,341 | ..... | 57.0 | + 3.5 | 97 | 31 | 27 | 16 | 53 | 1.02 | - 0.53 | 0.62 | 0.0 | 3 | 5 | 15 | 12 | O. H. Barber. | |
| Blackfoot. | Bingham | 4,503 | 15 | 54.2 | + 0.9 | 94 | 31 | 25 | 21 | 55 | 0.78 | - 0.68 | 0.32 | 0.0 | 5 | 15 | 12 | 4 | E. A. Dowd. | |
| Blackfoot Dam. | ..... | 2 | 47.2 | ..... | 85 | 31 | 21 | 17 | 50 | 1.08 | ..... | 0.26 | 0.0 | 10 | 20 | 4 | 7 | N. W. Irafield. | | |
| Blanche. | Lincoln | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. Belle Hess. | | |
| Book's Ranch. | Elmore | 3,500 | ..... | ..... | ..... | 102 | 31 | 25 | 1 | 44 | 4.38 | ..... | 0.55 | 0.0 | 3 | 16 | 7 | 8 | William Bock. | |
| Bogus Creek. | Boise | 4,200 | 2 | ..... | ..... | 83 | 31 | 25 | 1 | 44 | 4.38 | ..... | 1.12 | T. | 10 | 12 | 14 | 5 | F. P. Ingraham. | |
| Boise. | Ada. | 2,770 | 25 | 59.8 | + 2.2 | 98 | 31 | 37 | 20 | 39 | 1.14 | - 0.15 | 0.71 | 0.0 | 6 | 20 | 5 | 6 | U. S. Weather Bureau. | |
| Bonners Ferry. | Bonner | 1,850 | 4 | 56.0 | ..... | 90 | 24 | 28 | 1 | 48 | 1.82 | ..... | 1.02 | 0.0 | 6 | 15 | 15 | 6 | W. H. Heideman. | |
| Boulder Mine. | Boise | 4,800 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.11 | ..... | 0.56 | 1.0 | 7 | 23 | 4 | 4 | Patrick Moriarty. | |
| Buhl. | Cassia | 3,800 | 4 | ..... | ..... | 102 | 31 | 25 | 1 | 44 | 4.38 | ..... | 0.21 | 0.0 | 3 | 16 | 7 | 8 | H. J. Idema. | |
| Burke. | Shoshone | 4,082 | 3 | 49.2 | ..... | 83 | 31 | 25 | 1 | 44 | 4.38 | ..... | 1.12 | T. | 10 | 12 | 14 | 5 | W. Alvin Hall. | |
| Caldwell. | Canyon | 2,372 | 6 | 59.8 | ..... | 96 | 31 | 35 | 17 | 46 | 0.84 | ..... | 0.33 | 0.0 | 6 | 16 | 11 | 4 | Prof. Wm. J. Boone. | |
| Camas. | Fremont | 4,815 | 2 | 53.5 | ..... | 90 | 31 | 23 | 17 | 50 | 0.49 | ..... | 0.20 | T. | 5 | 16 | 13 | 8 | Mrs. Edna Faulkner. | |
| Cambridge. | Washington | 2,651 | 13 | 57.5 | + 1.7 | 94 | 31 | 30 | 21 | 50 | 2.01 | + 0.42 | 0.62 | 0.0 | 8 | ..... | ..... | ..... | Chas. H. Shepherd. | |
| Chesterfield. | Bannock | 5,424 | 4 | 49.4 | + 0.7 | 90 | 31 | 21 | 16 | 40 | 0.59 | - 1.28 | 0.30 | T. | 4 | 15 | 8 | 8 | E. J. Hopkins. | |
| Clawson. | Fremont | 2,157 | ..... | ..... | ..... | 94 | 31 | 32 | 21 | 49 | 4.28 | ..... | 1.58 | 0.0 | 9 | 15 | 10 | 6 | Jos. T. Scott. | |
| Cœur d'Alene. | Kootenai | 4,000 | ..... | ..... | ..... | 90 | 31 | 28 | 15 | 45 | 3.44 | ..... | 0.87 | 0.0 | 5 | 18 | 9 | 4 | Frank Hedrick. | |
| Cottonwood Creek. | Boise | 3,800 | 3 | 43.0 | ..... | 100 | 31 | 31 | 21 | 56 | 4.04 | ..... | 1.07 | 0.0 | 9 | 15 | 11 | 5 | R. R. Richmond. | |
| Crawford. | ..... | 1,520 | 2 | 60.0 | ..... | 94 | 31 | 32 | 21 | 49 | 4.28 | ..... | 0.71 | 0.0 | 6 | 20 | 10 | 1 | J. Loomis. | |
| Culdesac. | Nes Perce | 1,520 | 2 | 53.2 | ..... | 90 | 31 | 28 | 15 | 45 | 3.44 | ..... | 0.87 | 0.0 | 5 | 18 | 9 | 4 | I. E. Perkins. | |
| Deary. | Latah | 53.2 | ..... | ..... | ..... | 100 | 31 | 31 | 21 | 56 | 4.04 | ..... | 1.07 | 0.0 | 9 | 15 | 11 | 5 | John Krall, Jr. | |
| Dent. | Nes Perce | 1,350 | 5 | 59.6 | ..... | 100 | 31 | 31 | 21 | 56 | 4.04 | ..... | 0.71 | 0.0 | 7 | 9 | 10 | 12 | Geo. E. Edie. | |
| Driggs. | Fremont | 6,097 | 3 | 47.4 | ..... | 89 | 31 | 24 | 2 | 42 | 0.93 | ..... | 0.30 | 0.0 | 5 | 22 | 5 | 4 | W. A. Edwards. | |
| Edwardsburg. | Edie | 4,500 | ..... | 48.5 | ..... | 78 | 30 ^a | 24 | 2 | 42 | 0.93 | ..... | 0.15 | 0.0 | 3 | 21 | 7 | 3 | E. L. Marvin. | |
| Emmett. | Idaho | 2,350 | 4 | 47.4 | ..... | 87 | 31 | 23 | 16 | 52 | 1.08 | ..... | 0.75 | 0.0 | 4 | 15 | 8 | 8 | M. B. Merritt. | |
| Forney. | Lemhi | 52.0 | + 3.5 | 91 | 31 | 22 | 5 | 55 | 2.35 | + 0.33 | 1.00 | 1.0 | 0 | 9 | 9 | 9 | 13 | Mrs. Gertrude M. Ross. | | |
| Garden Valley. | Boise | 3,800 | 2 | 56.7 | ..... | 89 | 23 | 28 | 16 | 48 | 1.39 | ..... | 0.45 | 0.0 | 4 | 16 | 11 | 4 | Asa A. Kenison. | |
| Garnet. | Elmore | 2,575 | 11 | 64.2 | + 1.8 | 107 | 31 | 38 | 16 | 59 | 0.46 | - 0.10 | 0.24 | 0.0 | 3 | 23 | 6 | 2 | J. B. Loomis. | |
| Gilbert. | Nes Perce | 3,030 | ..... | ..... | ..... | 106 | 21 | 28 | 16 | 59 | 0.39 | ..... | 0.33 | 0.0 | 3 | 22 | 7 | 2 | I. E. Perkins. | |
| Glenas Ferry. | Elmore | 2,569 | 2 | 57.4 | ..... | 102 | 31 | 29 | 16 | 53 | 0.32 | ..... | 0.15 | 0.0 | 3 | 20 | 10 | 1 | Henry Kottkey. | |
| Gooding. | | | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1910. District No. 12—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | | | Precipitation, in inches. | | | | | | | | Sky. | Prevailing wind direction. | Observers. |
|----------------------|--------------|------------------|------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|--------|----------------------------|-----------------------|-------------------------|-------------------|-------------------------------|------------------------|----|-----|----------------------------|----------------------------|---------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeted. | .01 inch or more. | Number of partly cloudy days. | Number of cloudy days. | | | | | |
| <i>Idaho—Cont'd.</i> | | | | | | | | | | | | | | | | | | | | | | |
| Milner. | Cassia. | 4,097 | 7 | 56.8 | + 2.9 | 98 | 31 | 31 | 16 | 45 | 0.47 | — | 0.18 | 0.0 | 4 | 18 | 9 | 4 | nw. | R. A. Hanson. | | |
| Moore. | Latah. | 2,748 | 18 | 55.8 | + 2.9 | 87 | 31 | 31 | 26 | 34 | 1.92 | — | 0.52 | 0.58 | 0.0 | 7 | 16 | 7 | 8 | nw. | University of Idaho. | |
| Mountainhome. | Elmore. | 3,150 | 5 | 57.4 | + 1.5 | 102 | 31 | 27 | 16 | 56 | 0.60 | — | 0.56 | 0.0 | 3 | 19 | 7 | 5 | nw. | Mrs. Ellen Manion. | | |
| Murtaugh. | Cassia. | 4 | 54.84 | 964 | 31 | 26d | 17 | 52d | 0.49 | — | 0.24 | 0.0 | 0 | 3 | 3 | 19 | 7 | 5 | w. | J. E. Steinour. | | |
| Nes Perce. | Nes Perce. | 3,182 | 5 | 53.3 | + 2.0 | 88 | 24 | 26 | 21 | 46 | 3.08 | — | 0.97 | 0.0 | 7 | 23 | 0 | 8 | s. | P. Mitchell. | | |
| Oakley. | Cassia. | 4,191 | 17 | 56.5 | + 2.0 | 97 | 31 | 30 | 17 | 43 | 0.94 | — | 0.13 | 0.40 | 0.0 | 3 | 21 | 7 | 3 | s. | John Adams. | |
| O'Hara Bar. | Idaho. | 1,400 | 5 | 56.70 | + 2.0 | 88a | 24 | 34 | 21 | 52a | — | — | 0.98 | 0.0 | 8 | 18 | 12 | 1 | — | U. S. Forest Service. | | |
| Orofino. | Nes Perce. | 1,027 | 5 | 59.0 | + 0.3 | 93 | 23 | 32 | 2 | 48 | 3.89 | — | 0.98 | 0.0 | 6 | 20 | 4 | 7 | n. | Geo. Alteneder. | | |
| Payette. | Canyon. | 2,159 | 20 | 59.9 | + 0.3 | 95a | 31 | 32a | 21 | 51a | 0.33 | — | 0.31 | 0.30 | 0.0 | 4 | 16 | 10 | 5 | sw. | E. F. Allen. | |
| Pebble. | Bannock. | 5,277 | 5 | 50.4 | + 0.3 | 87 | 31 | 20 | 17 | 53 | 0.21 | — | 0.10 | 0.0 | 4 | 16 | 10 | 5 | sw. | Mrs. Fannie Say. | | |
| Pierson. | Custer. | 7,000 | 2 | — | — | — | — | — | — | — | — | — | 0.66 | — | 0.34 | 0.0 | 2 | 21 | 2 | 8 | — | David P. Clarke. |
| Pine. | Elmore. | 4,100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Mrs. Jennie Potter. | |
| Placerville. | Boise. | 4,200 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | James McDevitt. | |
| Pleasant Valley. | Ada. | 3,000 | 3 | 58.0 | + 0.5 | 102 | 31 | 29 | 16 | 48 | 1.02 | — | 0.42 | 0.0 | 6 | 24 | 1 | 8 | se. | C. E. Friedrich. | | |
| Pocatello. | Bannock. | 4,483 | 11 | 58.0 | + 0.5 | 93 | 31 | 32 | 17 | 43 | 0.94 | — | 1.26 | 0.42 | 0.1 | 7 | 16 | 11 | 7 | se. | U. S. Weather Bureau. | |
| Pocatello Nursery. | do. | 5,396 | 3 | 49.8a | + 0.5 | 88a | 31 | 22a | 21 | 46a | 0.92 | — | 0.38 | 0.0 | 8 | 19 | 4 | 8 | sw. | Mrs. Anna M. Wrensted. | | |
| Poplar. | Bingham. | 4,400 | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Stanley Bybee. | |
| Porthill. | Bonner. | 1,665 | 22 | 55.4 | + 1.4 | 82 | 23 | 30 | 1 | 43 | 1.09 | — | 0.98 | 0.50 | 0.0 | 4 | 24 | 5 | 2 | sw. | H. A. French. | |
| Powers Ranch. | Boise. | 4,300 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Mrs. Mona B. Powers. | |
| Pyle Creek. | do. | 3,100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Walter L. Cole. | |
| Rathleake Creek. | Elmore. | 4,000 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Richard M. Green. | |
| Ruby Creek. | Boise. | 4,204 | 4 | 56.2 | + 1.4 | 95 | 31 | 28 | 17 | 50 | 0.17 | — | 0.13 | 0.0 | 4 | 24 | 4 | 3 | w. | O. A. Hatter. | | |
| Rupert. | Lincoln. | 4,240 | 5 | 59.0 | + 1.4 | 90a | 31 | 25 | 2 | 51a | 1.07 | — | 0.58 | 0.2 | 7 | 17 | 7 | 7 | w. | Will Parry. | | |
| Salmon. | Lemhi. | 4,240 | 5 | 56.2 | + 1.4 | 98 | 31 | 31 | 21 | 43 | 0.95 | — | 0.45 | 0.0 | 2 | 19 | 9 | 4 | nw. | E. K. Abbott. | | |
| Salmon River Dam. | Twin Falls. | 2 | 56.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Arch M. Gilbert. | |
| Sheep Hill. | Boise. | 5,000 | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Clifford M. Gardner. | |
| Shoshone. | Lincoln. | 3,968 | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | O. A. Truman. | |
| Silver City. | Owyhee. | 6,280 | 3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | A. D. Bradfield. | |
| Smith Prairie. | Elmore. | 5,200 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Wm. W. Newell. | |
| Soldier. | Blaine. | 5,200 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | W. W. Leek. | |
| Sugar. | Fremont. | 3 | 52.4 | — | — | 87 | 31 | 26 | 17 | 48 | 1.35 | — | 0.31 | T. | 7 | 16 | 6 | 9 | sw. | Geo. F. Webb. | | |
| Sunnyside. | Elmore. | 58.4 | — | — | — | 99 | 31 | 31 | 16 | 48 | 0.53 | — | 0.25 | 0.0 | 4 | — | — | — | — | — | E. A. Wilmot. | |
| Tilden. | Bingham. | 4,420 | 2 | 54.7 | — | 95 | 31 | 30 | 21 | 53 | 0.79 | — | 0.42 | 0.0 | 3 | 19 | 8 | 4 | sw. | Mrs. W. A. Edwards. | | |
| Trippod Mountain. | Boise. | 4,300 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Mrs. Verna Paddock. | |
| Twin Falls. | Twin Falls. | 3,825 | 5 | 58.1 | + 2.0 | 98 | 31 | 29 | 21 | 53 | 0.52 | — | 0.30 | 0.0 | 3 | 15 | 16 | 0 | w. | J. A. Waters. | | |
| Vernon. | Fremont. | 13 | 51.0 | + 2.0 | 85 | 31 | 27 | 17 | 42 | 1.73 | — | 0.00 | 0.60 | T. | 7 | 18 | 9 | 4 | sw. | A. M. Slater. | | |
| Wallace. | Shoshone. | 2,728 | 3 | 54.9 | + 2.0 | 91 | 31 | 29 | 1 | 47 | 3.22 | — | 0.86 | — | 12 | — | — | — | — | — | U. S. Weather Bureau. | |
| Wendell. | Lincoln. | 3,400 | 2 | 59.3 | + 2.0 | 102 | 31 | 28 | 16 | 50 | 0.59 | — | 0.28 | 0.0 | 3 | 24 | 5 | 2 | w. | Chas. L. Dingler. | | |
| <i>Washington</i> . | | | | | | | | | | | | | | | | | | | | | | Carl S. Weatherwax. |
| Aberdeen. | Chehalis. | 162 | 19 | 55.4 | + 2.7 | 82 | 21 | 35 | 15 | 36 | 3.50 | — | 0.85 | 0.67 | 0.0 | 11 | 8 | 21 | 2 | w. | Douglas Allmond. | |
| Anarcotes. | Skagit. | 60 | 16 | 54.6 | + 2.0 | 76 | 31 | 34 | 15 | 38 | 0.78 | — | 1.21 | 0.39 | 0.0 | 6 | 22 | 9 | 3 | s. | Robt. M. White. | |
| Baker. | do. | 200 | 4 | 57.4 | + 2.0 | 85 | 22 | 35 | 15 | 40 | 4.43 | — | 1.62 | 0.0 | 8 | 18 | 2 | 11 | — | Sanford B. Mayhew. | | |
| Bellingham. | Whatcom. | 60 | 15 | 54.4 | + 0.8 | 74 | 17 | 33 | 15 | 35 | 2.34 | — | 0.08 | 0.72 | 0.0 | 10 | 22 | 6 | 3 | — | John W. Sheets. | |
| Blaine. | do. | 53 | 13 | 54.1 | + 2.1 | 76 | 7 | 35 | 15 | 36 | 2.80 | — | 0.15 | 0.85 | 0.0 | 9 | 14 | 16 | 1 | sw. | John Burmeister. | |
| Blewett. | Chelan. | 2,200 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | U. S. Navy Yard. | |
| Bremerton. | Kitsap. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Mrs. H. F. Bertram. | |
| Bumping Lake. | Okanogan. | 62.2 | — | — | — | 94 | 31 | 36 | 14 | 41 | 1.04 | — | 1.02 | 0.0 | 2 | 19 | 9 | 3 | s. | U. S. Reclamation Service. | | |
| Cashmere. | Yakima. | 50.0 | — | — | — | 89 | 23 | 26 | 4 | 49 | — | — | — | T. | — | 24 | 0 | 7 | — | — | Valley Power Co. | |
| Cedar River. | Chelan. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | George Landsburg. | |
| Centralia. | King. | 212 | 17 | 57.2 | + 2.5 | 88 | 31 | 32 | 15 | 51 | 2.33 | — | 0.22 | 0.45 | 0.0 | 10 | 10 | 19 | 2 | n. | I. S. Turner. | |
| Cheney. | Spokane. | 2,351 | 11 | 59.0a | + 2.0 | 93 | 31 | 31a | 16 | 50 | 0.70 | — | 1.37 | 0.70 | 0.0 | 1 | 18 | 7 | 6 | — | Northern Pacific Ry. | |
| Clealum. | Kittitas. | 1,930 | 11 | 54.6 | + 3.9 | 92 | 31 | 28 | 16 | 54 | 0.80 | — | 0.17 | 0.50 | 0.0 | 4 | 21 | 6 | 4 | sw. | J. A. Balmer. | |
| Clearbrook. | Whatcom. | 140 | 7 | 54.8 | + 2.0 | 85 | 9 | 28 | 1 | 47 | 4.17 | — | 1.43 | 0.0 | 8 | 9 | 11 | 11 | s. | Geo. Gibbs. | | |
| Clearwater. | Jefferson. | 135 | 14 | — | — | 86 | 31 | 31 | 28 | 42 | 0.60 | — | 0.48 | 0.0 | 3 | 21 | 7 | 3 | sw. | A. Ritchie. | | |
| Colfax. | Whitman. | 2,300 | 21 | 56.5b | + 2.0 | 94 | 31 | 26 | 3 | 52 | 1.00 | — | 0.81 | 0.40 | 0.0 | 4 | — | 6 | 5 | sw. | W. H. James. | |
| Colville. | Stevens. | 1,635 | 24 | 60.2 | + 4.1 | 92 | 31 | 36 | 15 | 37 | 1.02 | — | 0.89 | 0.53 | 0.0 | 6 | 18 | 9 | 4 | sw. | W. L. Sax. | |
| Conconully. | Mason. | 30 | 2 | 57.0 | + 2.0 | 85 | 31 | 35 | 1 | 43 | 2.12 | — | 0.34 | 0.0 | 9 | 16 | 10 | 5 | s. | Wm. Baines. | | |
| Cowiche. | Walla Walla. | 5,000 | 1 | — | — | 82 | 31 | 31a | 14 | 45a | 1.92 | — | 1.05 | 0.0 | 10 | 16 | 5 | 10 | sw. | U. S. Reclamation Service. | | |
| Crescent. | Jefferson. | 2,250 | 10 | 56.0a | + 2.0 | 82 | 31 | 31a | 14 | 45a | 1.92 | — | 0.72 | 0.0 | 13 | 10a | 5a | 5a | s. | Otto Wollweber. | | |
| Davenport. | do. | 2,450 | 1 | 57.5 | + 2.0 | 86 | 31 | 31 | 28 | 42 | 0.60 | — | 0.48 | 0.0 | 3 | 21 | 7 | 3 | sw. | W. H. Reed. | | |
| Dayton. | Columbia. | 1,700 | 24 | 60.2 | + 4.1 | 92 | 31 | 36 | 15 | 37 | 1.02 | — | 0.89 | 0.53 | 0.0 | 6 | 18 | 9 | 4 | sw. | W. W. Hendron. | |
| Detroit. | Benton. | 30 | 2 | 57.0 | + 2.0 | 85 | 31 | 35 | 1 | 43 | 2.12 | — | 0.34 | 0.0 | 9 | 16 | 10 | 5 | s. | Walter O. Eckert. | | |
| Dixie. | do. | 5 | 2 | 56.0 | + 2.0 | 86 | 31 | 28 | 15 | 46 | 0.61 | — | 0.13 | 0.31 | 0.0 | 2 | 23 | 5 | 3 | — | T. Z. Andrews. | |
| Duckabush. | Klickitat. | 380 | 2 | 56.0 | + 2.0 | 86 | 31 | 28 | 15 | 46 | 0.61 | — | 0.60 | 0.50 | 0.0 | | | | | | | |

TABLE 1.—Climatological data for May, 1910. District No. 12—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | Precipitation, in inches. | | | | Sky. | Prevailing wind direction. | Observers. | | | | |
|---------------------------|--------------|------------------|------------------------|-------------------------------------|----------------------------|-----------------|-------|---------------------------|-------|-----------------------|--------|----------------------------|----------------------------|----------------------------|-----------------------------------------|-----------------------|-------------------------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeasured. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. |
| Washington—Cont'd. | | | | | | | | | | | | | | | | | | |
| Moree. | Yakima. | 1,000 | 18 | 62.0 | + 4.0 | 100 | 31 | 31 | 1† | 54 | 0.36 | - 0.44 | 0.17 | 0.0 | 5 | 17 | 9 | 5 |
| Newport. | Stevens. | | | 54.2 | | 88 | 24 | 24 | 1 | 48 | 1.53 | | 0.96 | 0.0 | 6 | 19 | 7 | 5 |
| North Head. | Pacific. | 211 | 8 | 51.1 | - 0.1 | 61 | 30 | 44 | 15 | 12 | 2.29 | - 0.10 | 0.56 | 0.0 | 12 | 7 | 10 | 14 |
| Northport. | Stevens. | 1,950 | 11 | 58.8 | | 94 | 23† | 27 | 1 | 63 | 1.12 | - 0.92 | 0.90 | 0.0 | 4 | 20 | 10 | 1 |
| North Yakima. | Yakima. | 1,076 | 1 | 63.7 | | 96 | 31 | 38 | 18 | 42 | 0.35 | | 0.21 | 0.0 | 3 | 21 | 5 | 5 |
| Nutland. | Klickitat. | | | | | 97 | 31 | 39 | 15 | 39 | 0.64 | | 0.40 | 0.0 | 2 | | | |
| Odessa. | Lincoln. | 1,540 | 7 | 60.6 | | 96 | 31 | 30 | 1 | 55 | 0.34 | | 0.20 | 0.0 | 2 | 16 | 11 | 4 |
| Olga. | San Juan. | 50 | 20 | 53.5 | + 0.7 | 70 | 31 | 37 | 15 | 27 | 1.50 | - 0.56 | 0.68 | 0.0 | 9 | 16 | 11 | 4 |
| Olympia. | Thurston. | 200 | 32 | 56.6 | + 1.9 | 85 | 31 | 33 | 1† | 47 | 1.67 | - 0.97 | 0.37 | 0.0 | 9 | 16 | 3 | 12 |
| Omak. | Okanogan. | | | | | 97 | 31 | 35 | 17 | 53 | 0.35 | | 0.35 | 0.0 | 1 | | | |
| Orovile. | do. | 923 | 1 | | | | | | | | | | | | | | | |
| Peola. | Garfield. | 5,000 | 1 | | | | | | | | | | | | | | | |
| Pomeroy. | do. | 1,500 | 18 | 50.2 | + 2.0 | 94 | 31 | 34 | 16† | 44 | 1.30 | - 0.49 | 0.1 | 9 | 16 ^a | 9 ^a | 5 ^a | nw. |
| Port Crescent. | Clallam. | 259 | 15 | 48.5 | - 0.8 | 70 | 21 | 31 | 15 | 34 | 1.77 | - 1.54 | 0.25 | 0.0 | 10 | 9 | 21 | 1 |
| Port Townsend. | Jefferson. | 80 | 20 | 54.6 | + 1.2 | 75 | 21 | 39 | 1 | 29 | 1.05 | - 0.84 | 0.27 | 0.0 | 8 | 19 | 6 | 6 |
| Pullman. | Whitman. | 2,550 | 18 | 57.4 | + 4.5 | 90 | 31 | 35 | 2 | 41 | 0.52 | - 1.33 | 0.33 | 0.0 | 3 | 17 | 7 | sw. |
| Quinault. | Cheshalis. | 300 | 3 | 55.8 | | 81 | 21† | 33 | 15 | 39 | 3.23 | | 0.48 | 0.0 | 14 | 13 | 11 | 7 |
| Republic. | Ferry. | 2,628 | 10 | 54.8 | + 2.9 | 90 | 22 | 24 | 1 | 51 | 0.73 | | 0.40 | 0.0 | 6 | 21 | 5 | 4 |
| Rex Creek. | Chelan. | 1,135 | 3 | | | | | | | | | | | | | | | |
| Ritske. | Adams. | 1,825 | 11 | | | | | | | | | | | | | | | |
| Rock Lake. | Whitman. | 1,750 | 4 | 59.6 ^a | | 95 ^a | 22† | 30 ^a | 27 | 48 ^a | 0.23 | - 0.54 | 0.09 | 0.0 | 6 | | | |
| Rosalia. | do. | 2,425 | 18 | 57.4 | + 4.8 | 87 | 31 | 33 | 15† | 37 | 1.00 | - 1.06 | 0.55 | 0.0 | 7 | 16 | 9 | 6 |
| Russells Ranch. | Yakima. | 2,870 | 1 | | | | | | | | | | | | | | | |
| Scenic Hot Springs. | King. | 2,021 | | | | | | | | | | | | | | | | |
| Seattle. | do. | 123 | 19 | 57.0 | + 2.0 | 77 | 31 | 43 | 15 | 28 | 1.88 | - 0.44 | 0.80 | 0.0 | 9 | 11 | 10 | 10 |
| Sedro-Wooley. | Skagit. | 38 | 13 | | | | | 34 | 1 | 34 | 3.47 | + 0.23 | 1.70 | 0.0 | 10 | 13 | 15 | 3 |
| Sixprong. | Klickitat. | 1,240 | 3 | 64.2 | | 97 | 31 | 37 | 1 | 42 | 0.58 | | 0.36 | 0.0 | 3 | 20 | 3 | 8 |
| Skagit Power Dam. | Whatcom. | 123 | | 59.0 | | 91 | 9 | 36 | 1 | 48 | 4.20 | | 1.43 | 0.0 | 10 | | | |
| Snohomish. | Snohomish. | 50 | 16 | 55.2 | + 0.5 | 83 | 31 | 34 | 1† | 41 | 2.42 | - 0.94 | 1.10 | 0.0 | 11 | 15 | 3 | 13 |
| Snoqualmie Falls. | King. | 667 | 11 | 58.7 | | 87 | 21† | 33 | 1 | 49 | 3.18 | - 1.34 | 1.02 | 0.0 | 11 | 22 | 9 | 9 |
| Snyders Ranch. | Okanogan. | 2,200 | 1 | | | | | | | | | | | | | | | |
| South Bend. | Pacific. | 16 | 15 | 54.2 | + 1.0 | 79 | 30 | 36 | 15 | 36 | 3.73 | - 1.00 | 0.80 | 0.0 | 13 | 11 | 10 | 10 |
| Spokane. | Spokane. | 1,943 | 29 | 50.4 | + 3.3 | 89 | 31 | 35 | 1 | 35 | 0.88 | - 0.74 | 0.53 | 0.0 | 5 | 6 | 15 | 10 |
| State University. | King. | 170 | 1 | 50.3 | | 77 | 31 | 41 | 15 | 29 | 2.27 | | 0.85 | 0.0 | 7 | 15 | 5 | 11 |
| Stokes Ranch. | Okanogan. | 2,670 | 1 | | | | | | | | | | | | | | | |
| Sullivan Lake. | Stevens. | 3,700 | | | | | | | | | | | | | | | | |
| Sumner. | Pierce. | 77 | 2 | 55.6 | | 82 | 31 | 33 | 1 | 45 | 2.74 | | 1.05 | 0.0 | 11 | 13 | 11 | 7 |
| Sunnyside. | Yakima. | 740 | 15 | 63.0 | + 4.6 | 98 | 31 | 31 | 1 | 52 | 0.48 | - 0.10 | 0.34 | 0.0 | 3 | 18 | 10 | 3 |
| Tacoma. | Pierce. | 213 | 24 | 56.6 | + 2.1 | 79 | 31 | 39 | 15 | 33 | 2.17 | - 0.37 | 0.90 | 0.0 | 9 | 11 | 12 | 8 |
| Tatoosh Island. | Clallam. | 86 | 25 | 50.4 | + 0.8 | 61 | 31 | 42 | 1 | 18 | 2.34 | - 1.75 | 0.82 | 0.0 | 9 | 7 | 10 | 14 |
| Tieton. | Yakima. | 2,000 | 1 | 56.6 | | 92 | 31 | 32 | 1 | 46 | 1.02 | | 0.62 | 0.0 | 3 | 21 | 7 | 3 |
| Touchet. | Walla Walla. | 556 | 3 | 61.0 | | 96 | 31 | 33 | 16 | 49 | 0.34 | | 0.12 | 0.0 | 6 | 15 | 4 | 12 |
| Trinidad. | Columbia. | 2,500 | 1 | | | | | | | | | | | | | | | |
| Twisp. | Grant. | 900 | 6 | 68.1 | | 98 | 31 | 41 | 14 | 39 | 0.09 | | 0.05 | 0.0 | 2 | 25 | 6 | 0 |
| Tyee. | Okanogan. | 1,619 | 7 | | | | | | | | | | | | | | | |
| Vancouver. | Chelan. | 2,000 | 1 | | | | | | | | | | | | | | | |
| Vashon Island. | Clarke. | 100 | 35 | 59.3 | + 1.7 | 90 | 31 | 40 | 6† | 41 | 2.11 | - 0.30 | 1.35 | 0.0 | 8 | 11 | 12 | 8 |
| Wahluke. | King. | 110 | 21 | 54.1 | | 75 | 31 | 36 | 15 | 34 | 2.17 | - 0.37 | 0.90 | 0.0 | 9 | 11 | 12 | 8 |
| Grant. | Grant. | 410 | 6 | 69.4 ^a | | 99 | 31 | 39 | 1 | 44 | T. | | T. | 0.0 | 0 | 20 | 7 ^b | 2 ^b |
| Wallace. | Okanagon. | 4,006 | 1 | | | | | | | | | | | | | | | |
| Walla Walla. | Walla Walla. | 1,000 | 26 | 63.7 | + 3.0 | 95 | 31 | 41 | 15 | 36 | 1.40 | - 0.43 | 0.41 | 0.0 | 9 | 17 | 8 | 6 |
| Waterville. | Douglas. | 2,624 | 20 | 57.9 ^a | + 4.5 | 90* | 31 | 31 | 15† | 52 ^a | 0.25 | - 1.07 | 0.25 | 0.0 | 1 | 21 | 5 ^c | 5 ^c |
| Wenatchees (near). | Chelan. | 1,169 | 11 | 50.6 | + 4.1 | 88 | 31 | 39 | 15 | 35 | 0.19 | - 0.63 | 0.14 | 0.0 | 2 | 16 | 12 | 3 |
| West Branch. | Stevens. | 2,600 | | | | | | | | | | | | | | | | |
| Wilbur. | Lincoln. | 2,203 | 11 | 56.1 | + 3.3 | 88 | 31 | 25 | 27 | 50 | 0.94 | - 0.56 | 0.72 | 0.0 | 3 | 15 | 7 | 9 |
| Yale. | Cowlitz. | 375 | 3 | 57.9 | | 87 | 30† | 35 | 14 | 44 | 3.99 | | 1.16 | 0.0 | 12 | 11 | 11 | 9 |
| Zindel. | Astoria. | 715 | 8 | 66.0 | | 97 | 23† | 41 | 15 | 43 | 2.45 | | 1.01 | 0.0 | 8 | 20 | 3 | 3 |
| Oregon. | | | | | | | | | | | | | | | | | | |
| Albany. | Linn. | 214 | 28 | 57.4 | 0.0 | 91 | 31 | 41 | 2† | 43 | 1.75 | + 0.51 | 0.52 | 0.0 | 11 | 13 | 9 | 9 |
| Ashland. | Jackson. | 1,940 | 22 | 61.1 | + 4.2 | 94 | 30 | 38 | 3† | 39 | 2.07 | - 0.77 | 0.90 | 0.0 | 6 | 14 | 14 | 3 |
| Astoria. | Clatsop. | 11 | 48 | 54.8 | - 0.5 | 73 | 16 | 43 | 11† | 27 | 2.87 | - 0.93 | 1.08 | 0.0 | 12 | 13 | 7 | 11 |
| Baker City. | Baker. | 3,466 | 20 | | | | | | | | | | | | | | | |
| Bay City. | Tillamook. | 14 | 15 | 53.7 | + 1.7 | 74 | 17 | 34 | 15 | 37 | 3.32 | - 2.44 | 0.01 | 0.0 | 12 | 15 | 4 | 12 |
| Bend. | Crook. | 3,829 | 8 | | | | | | | | | | | | | | | |
| Birch Creek. | Wheeler. | 2,900 | 1 | 50.1 ^a | | 98 ^a | 30 | 35 ^a | 16 | 46 ^a | 0.75 | | 0.35 | 0.0 | 5 | 16 ^a | 5 ^a | w. |
| Black Butte. | Lane. | 1,200 | 9 | 53.6 | | 80 | 31 | 29 | 16 | 39 | 3.47 | | 1.40 | 0.0 | 7 | 23 | 2 | 6 |
| Blalock. | Gilliam. | 235 | 11 | 67.2 | + 4.5 | 101 | 31 | 42 | 1 | 24 | 0.63 | + 0.12 | 0.36 | 0.0 | 21 | 19 | 8 | 4 |
| Buckhorn Farm. | Josephine. | 1,300 | 12 | | | | | | | | | | | | | | | |
| Cascade Locks. | Hood River. | 100 | 19 | 58.1 | + 1.3 | 83 | 30† | 41 | 16 | 38 | 5.23 | + 1.69 | 2.14 | 0.0 | 10 | 18 | 6 | 7 |
| Casadero. | Clackamas. | 514 | 1 | 59.0 ^a | | 89 ^a | 31 | 40 ^a | 13† | 41 ^a | 2.76 | | 0.08 | 0.0 | 13 | 14 ^a | 4 ^a | 12 ^a |
| Condon. | Gilliam. | 2,388 | 2 | 55.3 | | 87 | 31 | 30 | 1† | 50 | 0.86 | | 0.36 | 0.0 | 4 | 22 | 4 | 5 |
| Connor Creek. | Baker. | 1,800 | | | | | | | | | | | | | | | | |
| Corvallis. | Benton. | 600 | 21 | 57.5 | + 2.5 | 86 | 30† | 36 | 15 | 36 | 0.83 | - 1.42 | 0.25 | 0.0 | 7 | 13 | 4 | 14 |
| Dayville. | Grant. | 1,500 | 15 | 60.2 | + 4.7 | 97 | 30 | 36 | 16 | 54 | 0.82 | - 0.50 | 0.36 | 0.0 | 6 | 20 | 3 | 14 |
| Doraville. | Columbia. | 600 | 8 | 55.2 | | 82 | 30 | 38 | 15† | 38 | 2.63 | | 1.10 | 0.0 | 14 | 12 | 9 | 10 |
| Drain. | Douglas. | 300 | 7 | 60.2 ^b | | 82 ^b | 31 | 35 ^b | 16 | 49 ^b | 1.81 | | 0.56 ^b | 0.0 | 6 | 13 | 5 | 5 |
| Echo. | Umatilla. | 625 | 5 | 64.1 | | 89 | 31 | 38 | 1† | 48 | 0.58 | | 0.49 | 0.0 | 3</td | | | |

MONTHLY WEATHER REVIEW.

MAY, 1910

TABLE 1.—Climatological data for May, 1910. District No. 18—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|------------------|-------------|------------------|------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|-------------------------|-----------------------------------------|-------------------------------|------------------------|----|---------------|----------------------------|------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeted. | Number of rainy days, .01 inch or more. | Number of partly cloudy days. | Number of cloudy days. | | | | |
| Oregon—Cont'd. | | | | | | | | | | | | | | | | | | | | | |
| Joseph. | Wallowa. | 4,400 | 21 | 50.5 | + 2.0 | 82 | 23 | 32 | 15† | 38 | 1.89 | - 0.09 | 0.44 | 0.0 | 16 | 17 | 6 | 8 | s. | F. F. McCully. | |
| Le Grande. | Union. | 2,784 | 24 | 56.8 | + 2.9 | 96 | 31 | 30 | 16 | 48 | 2.67 | + 0.48 | 0.80 | 0.0 | 11 | 15 | 4 | 12 | .... | W. A. Worstell. | |
| Madras. | Crook. | 2,150 | 1 | | | | | | | | | | | | | | | | | Robert Rea. | |
| Marshfield. | Coos. | 12 | 6 | 54.9 | | 82 | 16 | 38 | 1† | 43 | 1.16 | | 0.35 | 0.0 | 11 | 21 | 0 | 10 | sw. | Mrs. E. I. Mingus. | |
| McKenzie Bridge. | Lane. | 1,400 | 7 | 57.0 | | 93 | 30 | 27 | 16 | 54 | 4.14 | | 1.11 | 0.0 | 11 | 21 | 6 | 9 | sw. | Geo. Frissell. | |
| McMinnville. | Yamhill. | 180 | 22 | 45.0 | + 2.7 | 89 | 31 | 35 | 15 | 44 | 1.45 | - 0.60 | 0.71 | 0.0 | 8 | 16 | 4 | 25 | w. | J. H. Pruett. | |
| Mikkalo. | Gilliam. | 1,600 | 4 | 59.5 | | 94 | 31 | 34 | 15 | 60 | 0.97 | | 0.51 | 0.0 | 4 | 25 | 4 | 2 | n. | Frank Little. | |
| Miramonte Farm. | Clackamas. | 195 | 21 | 58.6 | + 2.8 | 89 | 31 | 36 | 15† | 44 | 2.00 | - 0.78 | 0.89 | 0.0 | 8 | 19 | 6 | 6 | sw. | G. M. Muecke. | |
| Monroe. | Benton. | 350 | 13 | 57.8 | + 3.6 | 88 | 31 | 36 | 15 | 43 | 0.64 | - 1.31 | 0.20 | 0.0 | 7 | 16 | 6 | 8 | sw. | L. A. Peek. | |
| Mount Angel. | Marion. | 485 | 24 | 59.8 | + 3.1 | 86 | 31 | 43 | 14† | 38 | 2.50 | - 0.29 | 0.65 | 0.0 | 8 | 17 | 8 | 6 | sw. | Dr. W. F. Fisher. | |
| Mount Hood. | Hood River. | 1,650 | | | | | | | | | | | | | | | | | | S. G. Babson. | |
| Mountain Park. | do. | 1,550 | 4 | 57.0 | | 90 | 31 | 34 | 16 | 41 | 3.64 | | 1.90 | 0.0 | 9 | 16 | 4 | 11 | w. | M. Markley. | |
| Musick. | Douglas. | 5,000 | | 44.0 | | 78 | 30 | 19 | 3† | 40 | 3.28 | | 1.42 | 0.0 | 7 | 20 | 4 | 7 | sw. | Alex. Lundburg. | |
| Newport. | Linton. | 69 | 22 | 53.6 | + 1.3 | 71 | 18 | 40 | 14† | 27 | 1.50 | - 2.93 | 0.44 | 0.0 | 10 | 11 | 11 | 9 | nw. | William Matthews. | |
| Pendleton. | Umatilla. | 1,272 | 20 | 59.7 | + 1.8 | 96 | 31 | 32 | 16 | 50 | 1.36 | - 0.03 | 0.68 | 0.0 | 6 | 18 | 12 | 1 | sw. | H. F. Johnson. | |
| Pilot Rock. | do. | 1,872 | 1 | 62.6 | | 95 | 31 | 32 | 20 | 46 | 1.43 | | 0.43 | 0.0 | 8 | 14 | 14 | 3 | sw. | John P. McManus. | |
| Pompeii. | Clackamas. | 3,580 | 15 | 49.0 | + 5.8 | 83 | 23 | 28 | 14 | 39 | 5.05 | - 0.53 | 1.75 | 12.0 | 10 | 14 | 9 | 8 | sw. | O. C. Yocom. | |
| Portland. | Multnomah. | 57 | 38 | 60.0 | + 2.7 | 86 | 31 | 44 | 15 | 55 | 1.82 | - 0.60 | 1.07 | 0.0 | 9 | 12 | 8 | 11 | nw. | U. S. Weather Bureau. | |
| Prineville. | Crook. | 3,000 | 13 | 56.7 | + 3.6 | 94 | 30 | 25 | 1 | 53 | 1.93 | + 1.10 | 0.75 | 0.0 | 8 | 20 | 6 | 5 | .... | E. F. Graham. | |
| Prospect. | Jackson. | 2,750 | 4 | 56.6 | | 98 | 30 | 28 | 15 | 56 | 1.44 | | 0.50 | 0.0 | 7 | 18 | 7 | 6 | s. | Mrs. Iva B. Collins. | |
| Ramsey. | Wasco. | 1,350 | | 55.9 | | 89 | 31 | 30 | 15 | 43 | 1.88 | | 0.96 | 0.0 | 6 | 21 | 4 | 6 | e. | Craig Thom. | |
| Range. | Grant. | 3,500 | 1 | 45.3 | | 89 | 30 | 14 | 4† | 61 | 0.82 | | 0.67 | 0.0 | 2 | 19 | 6 | 6 | .... | C. G. Morgan. | |
| Richland. | Baker. | 2,350 | 8 | 58.2 | | 96 | 31 | 30 | 16 | 50 | 1.72 | | 0.75 | 0.0 | 6 | 22 | 2 | 7 | .... | Mrs. Leah Fairman. | |
| Riverside. | Malheur. | 3,000 | 11 | 58.6 | + 4.5 | 102 | 31 | 24 | 16 | 63 | 0.68 | - 0.47 | 0.30 | 0.0 | 4 | 14 | 14 | 3 | w. | U. S. Weather Bureau. | |
| Roseburg. | Douglas. | 523 | 33 | 60.1 | + 3.6 | 91 | 31 | 38 | 16 | 44 | 2.01 | + 0.03 | 1.50 | 0.0 | 7 | 16 | 12 | 3 | nw. | M. P. Baldwin. | |
| Salem. | Marion. | 120 | 20 | 59.2 | + 3.1 | 85 | 30† | 42 | 14† | 28 | 1.58 | - 0.95 | 0.68 | 0.0 | 7 | 14 | 4 | 13 | sw. | Lewis F. Bates. | |
| Siaklyou. | Jackson. | 4,115 | 1 | 54.5 | | 86 | 30 | 30 | 3 | 33 | 1.01 | | 0.39 | 0.0 | 8 | 19 | 3 | 9 | e. | Hon. J. A. Wright. | |
| Sparta. | Baker. | 4,150 | 17 | | | | | | | | | | | | | | | | John P. Gage. | | |
| Stafford. | Clackamas. | 400 | 13 | 58.6 | + 4.0 | 90 | 31 | 36 | 15 | 43 | 2.48 | - 0.40 | 1.21 | 0.0 | 10 | | | | sw. | S. L. Brooks. | |
| The Dalles. | Wasco. | 113 | 35 | 62.9 | + 2.3 | 95 | 31 | 39 | 16 | 43 | 1.31 | + 0.76 | 0.75 | 0.0 | 3 | 20 | 3 | 8 | w. | Willie T. White. | |
| The Heads. | Curry. | 300 | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | .... | C. B. Crosno. | |
| Toledo. | Linton. | 50 | 20 | 56.6 | + 3.2 | 84 | 17† | 40 | 1† | 40 | 1.65 | - 2.53 | 0.40 | 0.0 | 6 | 24 | 4 | 3 | w. | Mrs. Helen T. Duncan. | |
| Umatilla. | Umatilla. | 340 | 14 | 65.4 | + 4.5 | 101 | 31 | 33 | 1 | 45 | 1.07 | + 0.37 | 0.60 | 0.0 | 3 | 22 | 2 | 7 | w. | H. P. Osborn. | |
| Vale. | Malheur. | 2,450 | 18 | 60.4 | + 4.8 | 90 | 31 | 29 | 16 | 52 | 0.71 | - 0.42 | 0.28 | 0.0 | 6 | 23 | 6 | 2 | nc. | Geo. Howe. | |
| Van. | Harney. | 3,500 | 4 | 55.0 | | 94 | 23 | 29 | 17 | 54 | 0.93 | | 0.55 | 0.0 | 3 | 20 | 7 | 4 | nw. | Chas. A. Parks. | |
| Wallace Orchard. | Polk. | 170 | 1 | 57.6 | | 87 | 31 | 36 | 14 | 40 | 2.06 | | 0.69 | 0.0 | 9 | 12 | 13 | 6 | .... | A. J. Swift. | |
| Wallowa. | Wallowa. | 2,935 | 7 | 53.8 | | 92 | 31 | 26 | 16 | 49 | 2.23 | | 0.62 | 0.0 | 9 | 14 | 7 | 10 | w. | L. J. Coverstone. | |
| Wasco. | Wasco. | 1,500 | 2 | 61.5 | | 95 | 31 | 40 | 1 | 44 | 1.06 | | 0.43 | 0.0 | 5 | 15 | 10 | 6 | w. | C. C. Covey. | |
| Warmspring. | Crook. | 1,600 | 8 | 59.7 | | 96 | 31 | 32 | 17 | 51 | 1.92 | | 1.04 | 0.0 | 4 | 21 | 1 | 9 | nw. | M. A. Baker. | |
| Weston. | Umatilla. | 1,800 | 20 | 61.0 | + 6.1 | 94 | 23 | 32 | 3 | 51 | 1.53 | - 0.85 | 0.45 | 0.0 | 7 | 17 | 5 | 9 | ne. | J. M. John. | |
| Williams. | Josephine. | 1,368 | 17 | 59.2 | + 4.5 | 98 | 31 | 31 | 15 | 55 | 1.02 | - 0.55 | 0.60 | 0.0 | 5 | 13 | 5 | 13 | n. | | |

*, b, e, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

• Precipitation included in that of the next measurement.

** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

|| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

¶ Estimated by observer.

||| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for May, 1910. District No. 12, Columbia Valley.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|----------------------|-------------------|---------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|----|------|----|-----|-----|----|----|----|----|----|----|----|----|----|------|--------|------|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| <i>Montana.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anaconda. | Missoula | .42 | .02 | .02 | | * | .58 | | T. | .04 | .02 | | | | | | | T. | T. | T. | T. | | | | | | | | | | | | 1.78 | |
| Bison Mountain. | do | .25 | T. | | T. | .30 | .09 | | | .11 | .90 | | | | | | | .05 | T. | .39 | .16 | | | | | | | | | | | 2.91 | | |
| Columbia Falls. | Flathead | | | | | | .49 | .02 | | | .67 | | | | | | | 1.02 | | | | | | | | | | | | | | 4.14 | | |
| Como. | Bitter Root | .38 | .01 | | | | .30 | .11 | | | .06 | | | | | | | | | | | | | | | | | | | | | 1.19 | | |
| Darby. | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dayton. | Flathead | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.78 | |
| East Anaconda\|\|\| | Missoula | .47 | .01 | .04 | | | .50 | .01 | T. | | .05 | .02 | | | | | | T. | T. | T. | T. | | | | | | | | | | 1.78 | | | |
| Fortine. | Flathead | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.86 | |
| Hamilton. | Bitter Root | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hat Creek. | Missoula | * | .35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.22 | |
| Kalispell. | Flathead | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.67 | |
| Lost Creek. | Missoula | T. | .50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.57 | |
| McGinnis Meadows. | Kootenai | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.33 | |
| Missoula. | Missoula | .43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.92 | |
| Ophir. | do | .32 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.76 | |
| Osvaldo. | do | .30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.70 | |
| Philipspburg. | do | .84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.10 | |
| Plains. | Columbia | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.90 | |
| Pleasant Valley. | Kootenai | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.05 | |
| Polson. | Flathead | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.30 | |
| St. Ignatius. | do | .10 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.00 | |
| St. Regis. | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.85 | |
| Saltex. | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.25 | |
| Snowshoe. | Kootenai | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.10 | |
| Troy. | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.83 | |
| Upper Lake McDonald. | Flathead | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.03 | |
| <i>Wyoming.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Afton. | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.29 | |
| Alta. | do | .02 | .06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.54 | |
| Bedford. | do | .12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.04 | |
| Snake River. | do | .40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.80 | |
| <i>Nevada.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Jacinto. | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.30 | |
| <i>Utah.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standrod. | Raft | .21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.99 | |
| <i>Idaho.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atlanta. | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albion. | Upper Snake | .25 | T. | .38 | .18 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 0.81 | | |
| Almo. | do | .10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.74 | |
| American Falls. | do | .62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.02 | | |
| Blackfoot\|\|\| | do | .03 | T. | .27 | .32 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.78 | | |
| Blackfoot Dam. | do | .18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.08 | | |
| Blanche. | Middle Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bock's Ranch. | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bogus Creek. | Payette | T. | .05 | .88 | .55 | .15 | | | | | | | | | | | | | | | | | | | | | | | | | | 2.32 | | |
| Boise. | Payette | .54 | .31 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.14 | | |
| Bonners Ferry. | Upper Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.82 | | |
| Boulder Mine. | Boise | .17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.11 | | |
| Buhl. | Upper Snake | .20 | .21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.55 | | |
| Burke. | Upper Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.38 | | |
| Caldwell. | Boise | .33 | .04 | .11 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.84 | | | |
| Camas. | Lost River Region | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.49 | | |
| Cambridge. | Middle Snake | .37 | .62 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.01 | | | |
| Chesterfield. | Upper Snake | .30 | .02 | .22 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 0.59 | | | |
| Clawson. | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cour d'Alene. | Upper Columbia | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.10 | | |
| Cottonwood Creek. | Boise | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.90 | | |
| Crawford. | Payette | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Culdesac. | Clearwater | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.28 | | |
| Deary. | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.44 | | |
| Dent. | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.04 | | |
| Driggs. | Upper Snake | .35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.94 | | |
| Edie. | do | .08 | .71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.93 | | | |
| Edwardenburg. | Lost River Region | .26 | .30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emmett\|\|\| | Salmon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forney. | Payette | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for May, 1910. District No. 12—Continued.*

| Stations. | River basins | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|----------------------|----------------|---------------|------|-----|-----|-----|----|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| <i>Idaho—Cont'd.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orofino | Clearwater | .50 | .47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.89 |
| Payette | Payette | .30 | .08 | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.83 | |
| Pebble | Upper Snake | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.21 | |
| Pierson | Salmon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.06 | |
| Pine | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Placerville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pleasant Valley | do | .42 | .11 | .25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.02 | |
| Pocatello | Upper Snake | .12 | T. | .37 | .17 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.94 | | |
| Pocatello Nursery | do | .05 | | .38 | .21 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.92 | | |
| Poplar | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Porthill | Upper Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.00 | |
| Powers Ranch | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyle Creek | Payette | T. | .36 | .28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.11 | |
| Rattlesnake Creek | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ruby Creek | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rupert | Upper Snake | .02 | T. | .01 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.17 | |
| Salmon | Salmon | .04 | .05 | .34 | .45 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | | |
| Salmon River Dam | Middle Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.02 | |
| Sheep Hill | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.95 | |
| Shoshone | Wood-Malad | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silver City | Owyhee | .01 | .01 | .24 | .02 | .36 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 1.02 | |
| Smith Prairie | Boise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soldier | Wood-Malad | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Hill | Upper Snake | T. | T. | .23 | .31 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 1.35 | | |
| Sunnyvalley | Middle Snake | T. | .25 | T. | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.53 | | |
| Tilden | Upper Snake | T. | .42 | .22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.79 | | |
| Tripod Mountain | Payette | .46 | .56 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.94 | | |
| Twin Falls | Twin Falls | .30 | .12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.52 | | |
| Vernon | Upper Snake | .22 | | .11 | .60 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 1.73 | | |
| Wallace | Upper Columbia | | | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.22 | | |
| Wendell | Upper Snake | | | .28 | .08 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.59 | | |
| <i>Washington.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen | Coast | | .28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.50 | |
| Anacortes | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.78 | |
| Baker | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.43 | |
| Bellingham | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.34 | |
| Blaine | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.80 | |
| Blewett | Wenatchee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bremerton | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.03 | |
| Brewster | Columbia | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.04 | |
| Bumping Lake | Yakima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cashmere | Wenatchee | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.35 | |
| Cedar River | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.67 | |
| Centralia | Coast | .30 | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.38 | |
| Cheney | Spokane | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.70 | |
| Clealum | Yakima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.80 | |
| Clearbrook | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.17 | |
| Clearwater | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colfax | Palouse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colville | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.00 | |
| Conconully | Okanogan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.73 | |
| Cowiche | Yakima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.17 | |
| Crescent | Spokane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Davenport | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.80 | |
| Dayton | do | | T. | T. | .53 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.02 | | |
| Detroit | Puget Sound | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.12 | | |
| Dixie | Columbia | .10 | .20 | .48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.69 | | |
| Duckabush | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.92 | |
| East Sound | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ellensburg | Yakima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.16 | |
| Ephrata | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Forks | Fort Simcoe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.05 | |
| Fort Simcoe | Yakima | .30 | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.61 | | |
| Goat Lake | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.47 | |
| Gold Creek | Yakima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.60 | |
| Goldendale | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.31 | |
| Granite Falls | Puget Sound | | </td | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1910. District No. 12—Continued.

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | | |
|--------------------|----------------|---------------|-----|-----|-----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Washington—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Townsend | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.05 |
| Pullman | Palouse | .06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.52 | |
| Quinault | Coast | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.23 | |
| Republic | Kettle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.73 | |
| Rex Creek | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ritaville | do | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.23 | |
| Rock Lake | Palouse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.55 | |
| Rosalie | do | .07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.00 | |
| Russells Ranch | Yakima | T. | .21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.10 | |
| Scenic Hot Springs | King | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seattle | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.88 | |
| Sedro-Woolley | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.47 | |
| Sixprong | Columbia | .20 | .36 | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.58 | |
| Skagit Power Dam | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.20 | |
| Snohomish | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.42 | |
| Snoqualmie Falls | do | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.18 | |
| Snyders Ranch | Columbia | .23 | .17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.87 | |
| South Bend | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.73 | |
| Spokane | Spokane | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.88 | | |
| State University | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.27 | |
| Stokes Ranch | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.35 | |
| Sullivan Lake | Pend d'Oreille | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.74 | |
| Sumner | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.48 | |
| Tacoma | Yakima | T. | .34 | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.17 | |
| Tatoosh Island | Puget Sound | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.34 | |
| Tieton | Coast | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.02 | |
| Touchet | Columbia | T. | .10 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.34 | |
| Touchet Ridge | do | T. | .37 | .44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.73 | |
| Trinidad | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.09 | |
| Twisp | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tyne | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.48 | |
| Vancouver | do | .135 | .05 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.11 | |
| Vashon Island | Puget Sound | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.42 | |
| Wahluke | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4T. | |
| Wallace | Okanogan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.56 | |
| Walla Walla | Columbia | .23 | .02 | .23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.40 | |
| Waterville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.25 | |
| Wenatchee (near) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.19 | |
| West Branch | Spokane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wilbur | Columbia | .27 | .16 | .27 | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.94 | |
| Yale | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.90 | |
| Zindel | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.45 | |
| Oregon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albany | Willamette | .16 | .38 | .52 | .08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.75 | |
| Ashland | Rogue | .20 | .19 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.77 | |
| Astoria | Columbia | .09 | .18 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.87 | |
| Bagley's Ranch | Snake | .12 | .16 | .27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.31 | |
| Baker City | Coast | T. | .91 | .05 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.32 | | |
| Bear Creek | Deschutes | .39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.03 | |
| Bear Valley | John Day | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.30 | |
| Beaver Creek | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.15 | |
| Beach Creek | John Day | .24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.77 | |
| Bellfontain | Willamette | .03 | T. | .20 | .12 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 0.77 | | |
| Bend | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.52 | |
| Big Basin | John Day | .05 | | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.75 | |
| Birch Creek | do | .35 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.47 | |
| Black Butte | Willamette | .55 | .50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.53 | |
| Blairock | Columbia | .38 | .27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.92 | |
| Blue Mtn'n Sawmill | Umatilla | .16 | .70 | .45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.76 | |
| Buckhorn Farm | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.35 | |
| Buena Vista | Rogue | .10 | .48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.04 | |
| Butte Falls | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.23 | |
| Cableville | Umatilla | T. | .20 | .06 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.85 | | |
| California Gulch | John Day | T. | .35 | .14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.76 | | |
| Canyon City | Columbia | T. | .35 | .44 | .62 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.53 | | |
| Cascade Locks | Willamette | .07 | .30 | .44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for May, 1910. District No. 12—Continued.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|----------------------|---------------|---------------|-----|-----|-----|-----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Oregon—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grindstone. | Deschutes. | 11 | 20 | .40 | .32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.70 |
| Gumboot. | Snake. | .03 | .40 | .36 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.87 | |
| Gurdane. | Columbia. | | .45 | .23 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.91 | |
| Happy Home. | Umpqua. | .08 | .22 | .46 | .12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.92 | |
| Hay Creek. | Deschutes. | .37 | .50 | .37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.88 | |
| Haseldell. | Willamette. | .41 | .27 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.52 | |
| Head Works. | do. | .48 | .31 | .21 | .33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.01 | |
| Heppner. | Columbia. | .27 | .02 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.93 | |
| Hermiston. | Umatilla. | .09 | .46 | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.62 | |
| Hilgard. | Grande Ronde. | .01 | .61 | .70 | .15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.08 | |
| Hood River. | Columbia. | T. | .10 | T. | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.46 | |
| Hoover. | Willamette. | | .98 | .60 | .30 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.58 | | |
| Howardville Station. | Grande Ronde. | .01 | .09 | .61 | .30 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.82 | | |
| Huntington. | Snake. | | .95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.25 | |
| Ibez Mine. | John Day. | .44 | .27 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.90 | |
| Ironside. | Rogue. | T. | .12 | .23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.74 | |
| Jacksonville. | Grande Ronde. | | .40 | .44 | .20 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.46 | | |
| Joseph. | do. | | .40 | .60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.89 | |
| Kamela. | do. | | .08 | .80 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.60 | | |
| La Grande. | Lilyglen. | .04 | .34 | .29 | .24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.67 | |
| Long Creek. | John Day. | .15 | .25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.74 | |
| Madiras. | Deschutes. | | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.21 | |
| Maury. | do. | .17 | .75 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.39 | |
| McKenzie Bridge. | Willamette. | .07 | .23 | .02 | .48 | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | 4.14 | | |
| McMinnville. | do. | T. | .71 | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.45 | | |
| Meacham. | Umatilla. | | .22 | .55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.18 | | |
| Mikkalo. | John Day. | | .26 | .51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.97 | | |
| Miller Prairie. | Columbia. | .25 | .25 | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.80 | | |
| Miramont Farm. | Willamette. | | .89 | .31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.00 | | |
| Monroe. | do. | .02 | .06 | .20 | .16 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.64 | | |
| Mountainhome. | Columbia. | | .12 | .18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.52 | | |
| Mount Angel. | Willamette. | | .65 | .52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.50 | | |
| Mount Hood. | Columbia. | | .25 | .02 | .19 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.88 | | |
| Mountain Park. | do. | | .15 | .90 | .51 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.64 | | |
| Mountain Ranch. | Rogue. | | .10 | .40 | .06 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.53 | | |
| Musick. | Umpqua. | | T. | .34 | .55 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.28 | | |
| Newport. | Coast. | | .15 | .25 | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.50 | | |
| Nigger Flat. | Malheur. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ochoco. | Deschutes. | | .72 | .27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.41 | |
| Ochoco Creek. | Owyhee. | | | .30 | .07 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.42 | | |
| Owyhee. | Umatilla. | | .14 | .68 | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.36 | | |
| Pendleton. | Rogue. | .13 | .32 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.91 | |
| Persist. | Umatilla. | | .17 | .43 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.43 | | |
| Pilot Rock. | Willamette. | | .78 | .15 | .70 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.06 | | |
| Pompeii. | do. | | .42 | .65 | .07 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.82 | | |
| Portland. | Deschutes. | | .22 | .60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.18 | |
| Post. | Walla Walla. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power House. | Prineville. | | .45 | .49 | .06 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.93 | | |
| Prospect. | Rogue. | | .18 | .07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.44 | |
| Rager Creek. | Deschutes. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ramsey. | Columbia. | | .12 | .98 | .25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.88 | |
| Range. | John Day. | | .67 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.42 | |
| Ray Creek. | Columbia. | | .13 | .19 | .20 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | | |
| Reston. | Umpqua. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Richland. | Snake. | | T. | .75 | .03 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.73 | | |
| Riverville Ranch. | Deschutes. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rock Creek. | Malheur. | | .30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.68 | |
| Roseburg. | Willamette. | | .25 | .06 | .11 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.38 | | |
| Roseland. | Deschutes. | | .34 | .41 | .14 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.36 | | |
| Salem. | Willamette. | | T. | .08 | .26 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.53 | | |
| Seneo. | Interior. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Siskiyou. | Rogue. | .01 | .09 | .39 | .15 | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.01 | | |
| Sisters. | Deschutes. | | .50 | .38 | .10 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.49 | | |
| Sparta. | Snake. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Starkey. | Willamette. | | | .12 | .38 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—*Maximum and minimum temperatures at selected stations for May, 1910. District No. 12, Columbia Valley.*

Washington.

| Date. | Aberdeen. | | Blaine. | | Colville. | | Kosmos. | | Lakeland. | | North Head. | | North Yakima. | | Odessa. | | Port Crescent. | | Seattle. | | Strong. | | Spokane. | | Tacoma. | | Tatooch Island. | | |
|-------|-----------|------|---------|------|-----------|------|---------|------|-----------|------|-------------|------|---------------|------|---------|------|----------------|------|----------|------|---------|------|----------|------|---------|------|-----------------|------|----|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | |
| 1... | 60 | 44 | 60 | 35 | 70 | 28 | 70 | 38 | 71 | 42 | 53 | 48 | 72 | 40 | 69 | 30 | 52 | 35 | 66 | 45 | 69 | 37 | 65 | 35 | 66 | 42 | 50 | 42 | |
| 2... | 63 | 43 | 63 | 42 | 74 | 28 | 65 | 42 | 70 | 44 | 54 | 47 | 76 | 42 | 71 | 34 | 54 | 37 | 61 | 48 | 76 | 43 | 67 | 36 | 65 | 47 | 56 | 45 | |
| 3... | 63 | 42 | 72 | 36 | 76 | 31 | 54 | 46 | 74 | 45 | 52 | 48 | 68 | 58 | 74 | 50 | 65 | 36 | 63 | 47 | 68 | 49 | 70 | 49 | 58 | 45 | 61 | 45 | |
| 4... | 68 | 44 | 64 | 48 | 72 | 47 | 50 | 46 | 71 | 54 | 52 | 48 | 61 | 51 | 64 | 46 | 55 | 38 | 57 | 50 | 56 | 46 | 60 | 47 | 57 | 49 | 52 | 48 | |
| 5... | 70 | 43 | 64 | 48 | 70 | 42 | 60 | 45 | 79 | 53 | 55 | 49 | 74 | 51 | 66 | 46 | 54 | 41 | 60 | 49 | 69 | 47 | 57 | 47 | 63 | 48 | 56 | 48 | |
| 6... | 75 | 40 | 65 | 40 | 82 | 40 | 83 | 36 | 78 | 49 | 56 | 49 | 81 | 45 | 84 | 42 | 58 | 36 | 72 | 48 | 76 | 47 | 75 | 42 | 73 | 43 | 51 | 47 | |
| 7... | 62 | 47 | 76 | 41 | 84 | 44 | 81 | 40 | 82 | 48 | 51 | 47 | 88 | 50 | 91 | 40 | 54 | 44 | 75 | 49 | 86 | 56 | 79 | 51 | 76 | 48 | 52 | 46 | |
| 8... | 63 | 48 | 63 | 45 | 85 | 38 | 82 | 37 | 80 | 51 | 50 | 48 | 86 | 51 | 89 | 44 | 52 | 42 | 68 | 48 | 87 | 58 | 78 | 54 | 70 | 46 | 54 | 44 | |
| 9... | 64 | 52 | 70 | 40 | 87 | 37 | 69 | 43 | 80 | 48 | 54 | 46 | 85 | 54 | 87 | 50 | 66 | 40 | 71 | 50 | 83 | 57 | 81 | 49 | 71 | 48 | 50 | 44 | |
| 10... | 60 | 50 | 63 | 50 | 74 | 52 | 62 | 51 | 70 | 52 | 55 | 52 | 76 | 51 | 76 | 52 | 57 | 48 | 60 | 52 | 74 | 53 | 62 | 51 | 63 | 52 | 56 | 48 | |
| 11... | 61 | 44 | 66 | 51 | 65 | 45 | 69 | 49 | 78 | 47 | 55 | 48 | 74 | 43 | 70 | 45 | 56 | 46 | 65 | 52 | 73 | 47 | 68 | 47 | 66 | 52 | 52 | 47 | |
| 12... | 64 | 48 | 62 | 50 | 77 | 37 | 71 | 43 | 75 | 45 | 57 | 48 | 77 | 42 | 75 | 41 | 54 | 42 | 66 | 50 | 76 | 53 | 70 | 45 | 68 | 49 | 55 | 47 | |
| 13... | 56 | 44 | 58 | 46 | 71 | 38 | 64 | 42 | 73 | 47 | 53 | 46 | 78 | 45 | 71 | 42 | 56 | 43 | 58 | 46 | 75 | 47 | 69 | 46 | 60 | 46 | 50 | 44 | |
| 14... | 52 | 40 | 58 | 40 | 60 | 41 | 59 | 41 | 65 | 46 | 50 | 47 | 67 | 44 | 73 | 40 | 52 | 41 | 54 | 44 | 69 | 45 | 59 | 45 | 59 | 43 | 50 | 46 | |
| 15... | 68 | 35 | 62 | 35 | 73 | 36 | 71 | 34 | 71 | 40 | 53 | 44 | 74 | 44 | 76 | 39 | 58 | 31 | 64 | 43 | 70 | 44 | 65 | 42 | 63 | 39 | 55 | 44 | |
| 16... | 77 | 41 | 69 | 42 | 75 | 34 | 81 | 34 | 78 | 43 | 60 | 48 | 79 | 38 | 81 | 40 | 60 | 37 | 73 | 45 | 76 | 43 | 71 | 39 | 74 | 42 | 58 | 43 | |
| 17... | 68 | 48 | 65 | 42 | 87 | 38 | 84 | 38 | 81 | 48 | 52 | 50 | 86 | 44 | 83 | 33 | 57 | 41 | 71 | 52 | 86 | 49 | 77 | 44 | 74 | 49 | 54 | 48 | |
| 18... | 58 | 45 | 61 | 48 | 75 | 38 | 69 | 41 | 76 | 53 | 51 | 48 | 77 | 52 | 84 | 35 | 56 | 37 | 63 | 43 | 76 | 55 | 72 | 50 | 64 | 45 | 54 | 47 | |
| 19... | 69 | 42 | 48 | 58 | 45 | 72 | 34 | 56 | 40 | 71 | 44 | 50 | 46 | 71 | 50 | 87 | 35 | 53 | 37 | 57 | 45 | 68 | 50 | 64 | 46 | 56 | 45 | 53 | 46 |
| 20... | 71 | 52 | 61 | 36 | 76 | 29 | 71 | 39 | 77 | 48 | 50 | 46 | 76 | 41 | 89 | 34 | 54 | 34 | 64 | 46 | 73 | 40 | 70 | 44 | 63 | 45 | 54 | 46 | |
| 21... | 82 | 61 | 69 | 37 | 86 | 38 | 85 | 36 | 86 | 49 | 56 | 47 | 86 | 45 | 89 | 37 | 70 | 36 | 76 | 49 | 84 | 42 | 79 | 45 | 77 | 44 | 57 | 46 | |
| 22... | 71 | 46 | 72 | 42 | 91 | 40 | 72 | 42 | 93 | 53 | 54 | 50 | 94 | 52 | 90 | 41 | 55 | 43 | 71 | 51 | 92 | 54 | 86 | 51 | 89 | 50 | 52 | 45 | |
| 23... | 64 | 48 | 65 | 46 | 92 | 45 | 77 | 50 | 90 | 54 | 50 | 47 | 94 | 57 | 92 | 47 | 54 | 44 | 69 | 48 | 96 | 59 | 87 | 54 | 67 | 49 | 53 | 46 | |
| 24... | 60 | 46 | 70 | 44 | 91 | 42 | 63 | 43 | 83 | 56 | 52 | 49 | 84 | 50 | 89 | 50 | 58 | 43 | 61 | 53 | 87 | 60 | 87 | 54 | 60 | 52 | 54 | 47 | |
| 25... | 60 | 48 | 60 | 52 | 79 | 53 | 65 | 49 | 74 | 56 | 57 | 50 | 78 | 53 | 75 | 52 | 56 | 39 | 63 | 53 | 81 | 57 | 68 | 50 | 64 | 50 | 53 | 46 | |
| 26... | 62 | 46 | 65 | 41 | 65 | 33 | 65 | 42 | 71 | 47 | 56 | 50 | 73 | 49 | 69 | 38 | 62 | 39 | 63 | 48 | 72 | 53 | 63 | 46 | 66 | 46 | 53 | 46 | |
| 27... | 62 | 46 | 62 | 45 | 68 | 42 | 61 | 40 | 68 | 48 | 57 | 48 | 70 | 49 | 68 | 31 | 54 | 43 | 63 | 47 | 69 | 54 | 63 | 49 | 63 | 46 | 54 | 48 | |
| 28... | 58 | 47 | 60 | 46 | 68 | 30 | 62 | 39 | 67 | 41 | 53 | 50 | 72 | 42 | 73 | 33 | 53 | 38 | 58 | 49 | 77 | 45 | 66 | 41 | 58 | 45 | 53 | 48 | |
| 29... | 67 | 45 | 66 | 46 | 76 | 45 | 72 | 51 | 75 | 44 | 57 | 50 | 80 | 54 | 89 | 39 | 62 | 47 | 67 | 51 | 80 | 57 | 71 | 52 | 66 | 51 | 57 | 49 | |
| 30... | 78 | 45 | 67 | 48 | 85 | 35 | 89 | 46 | 80 | 47 | 61 | 52 | 90 | 52 | 89 | 41 | 68 | 40 | 71 | 50 | 91 | 56 | 84 | 50 | 74 | 49 | 59 | 50 | |
| 31... | 68 | 46 | 71 | 42 | 94 | 40 | 86 | 40 | 86 | 51 | 55 | 52 | 96 | 59 | 96 | 54 | 68 | 40 | 77 | 54 | 97 | 67 | 89 | 55 | 79 | 52 | 61 | 49 | |
| Mns | 64.9 | 45.8 | 64.7 | 43.5 | 77.4 | 38.7 | 69.9 | 42.0 | 76.5 | 48.2 | 53.9 | 48.3 | 78.8 | 48.6 | 79.9 | 41.2 | 57.2 | 39.8 | 65.4 | 48.7 | 77.8 | 50.6 | 71.7 | 47.0 | 66.1 | 47.0 | 54.2 | 46.5 | |

TABLE 3.—*Maximum and minimum temperatures at selected stations for May, 1910. District No. 12—Continued.*

| Date. | Walla Walla, Wash. | | Aspland. | | Baker City. | | Eugene. | | Gold Beach. | | Hermiston. | | Marshallfield. | | Portland. | | Prineville. | | Roseburg. | | The Dalles. | | Vale. | | |
|-----------|--------------------|------|----------|------|-------------|------|---------|------|-------------|------|------------|------|----------------|------|-----------|------|-------------|------|-----------|------|-------------|------|-------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | 68 | 45 | 69 | 44 | 57 | 46 | 61 | 34 | 73 | 37 | 61 | 38 | 67 | 47 | 64 | 25 | 65 | 46 | 70 | 40 | 69 | 39 | 39 | 39 | |
| 2. | 73 | 44 | 59 | 42 | 59 | 45 | 60 | 44 | 76 | 52 | 62 | 44 | 61 | 49 | 65 | 32 | 61 | 46 | 75 | 45 | 71 | 32 | 32 | 32 | |
| 3. | 60 | 47 | 52 | 38 | 65 | 45 | 59 | 39 | 75 | 49 | 58 | 45 | 49 | 46 | 55 | 38 | 59 | 44 | 62 | 47 | 67 | 46 | 46 | 46 | |
| 4. | 58 | 47 | 52 | 41 | 54 | 45 | 60 | 40 | 56 | 48 | 59 | 44 | 52 | 48 | 59 | 38 | 52 | 42 | 55 | 48 | 57 | 42 | 42 | 42 | |
| 5. | 67 | 48 | 69 | 40 | 51 | 45 | 64 | 41 | 73 | 50 | 71 | 44 | 62 | 49 | 70 | 35 | 69 | 47 | 69 | 45 | 67 | 48 | 48 | 48 | |
| 6. | 77 | 50 | 78 | 45 | 65 | 43 | 68 | 42 | 81 | 45 | 71 | 43 | 79 | 47 | 79 | 39 | 82 | 43 | 79 | 45 | 74 | 38 | 38 | 38 | |
| 7. | 84 | 59 | 82 | 51 | 77 | 50 | 57 | 47 | 87 | 50 | 66 | 45 | 79 | 55 | 82 | 42 | 84 | 46 | 84 | 52 | 85 | 45 | 45 | 45 | |
| 8. | 85 | 59 | 84 | 54 | 81 | 60 | 57 | 49 | 88 | 47 | 62 | 50 | 79 | 50 | 84 | 46 | 84 | 47 | 85 | 51 | 80 | 44 | 44 | 44 | |
| 9. | 78 | 56 | 72 | 52 | 73 | 53 | 65 | 46 | 85 | 53 | 67 | 46 | 88 | 54 | 77 | 46 | 74 | 48 | 83 | 52 | 81 | 46 | 46 | 46 | |
| 10. | 69 | 52 | 64 | 44 | 60 | 52 | 58 | 52 | 78 | 54 | 59 | 53 | 64 | 54 | 65 | 42 | 66 | 48 | 70 | 54 | 76 | 47 | 47 | 47 | |
| 11. | 74 | 51 | 70 | 42 | 64 | 51 | 60 | 50 | 78 | 49 | 62 | 51 | 71 | 53 | 72 | 37 | 73 | 45 | 73 | 48 | 78 | 39 | 39 | 39 | |
| 12. | 77 | 53 | 79 | 44 | 71 | 47 | 60 | 40 | 79 | 46 | 63 | 41 | 72 | 48 | 71 | 38 | 72 | 45 | 76 | 49 | 84 | 45 | 45 | 45 | |
| 13. | 73 | 54 | 71 | 47 | 70 | 43 | 59 | 41 | 73 | 53 | 64 | 40 | 65 | 48 | 71 | 36 | 72 | 40 | 74 | 53 | 81 | 44 | 44 | 44 | |
| 14. | 65 | 48 | 69 | 47 | 63 | 44 | 58 | 47 | 74 | 50 | 57 | 46 | 60 | 46 | 68 | 41 | 67 | 48 | 65 | 48 | 71 | 44 | 44 | 44 | |
| 15. | 67 | 41 | 71 | 38 | 62 | 39 | 60 | 40 | 72 | 40 | 61 | 41 | 69 | 44 | 65 | 30 | 69 | 41 | 70 | 42 | 66 | 41 | 41 | 41 | |
| 16. | 76 | 45 | 79 | 47 | 65 | 40 | 74 | 44 | 79 | 35 | 82 | 39 | 79 | 48 | 74 | 26 | 79 | 38 | 77 | 39 | 74 | 29 | 29 | 29 | |
| 17. | 88 | 52 | 84 | 51 | 75 | 43 | 66 | 42 | 89 | 40 | 63 | 39 | 82 | 54 | 84 | 34 | 86 | 42 | 85 | 42 | 80 | 30 | 30 | 30 | |
| 18. | 78 | 52 | 70 | 49 | 81 | 48 | 48 | 42 | 89 | 53 | 57 | 49 | 69 | 48 | 75 | 37 | 68 | 46 | 83 | 55 | 85 | 34 | 34 | 34 | |
| 19. | 67 | 48 | 75 | 42 | 67 | 42 | 56 | 44 | 73 | 50 | 57 | 38 | 59 | 46 | 65 | 32 | 66 | 41 | 69 | 50 | 81 | 36 | 36 | 36 | |
| 20. | 72 | 44 | 78 | 40 | 61 | 41 | 59 | 45 | 75 | 44 | 58 | 41 | 69 | 45 | 74 | 29 | 74 | 39 | 73 | 41 | 74 | 36 | 36 | 36 | |
| 21. | 82 | 50 | 85 | 51 | 67 | 40 | 62 | 39 | 86 | 40 | 64 | 40 | 85 | 50 | 84 | 34 | 83 | 43 | 85 | 45 | 83 | 37 | 37 | 37 | |
| 22. | 91 | 58 | 87 | 53 | 79 | 50 | 55 | 49 | 83 | 45 | 55 | 51 | 63 | 51 | 89 | 38 | 67 | 50 | 84 | 52 | 91 | 39 | 39 | 39 | |
| 23. | 93 | 60 | 83 | 51 | 80 | 50 | 60 | 44 | 96 | 50 | 62 | 51 | 73 | 53 | 92 | 44 | 78 | 54 | 89 | 54 | 93 | 45 | 45 | 45 | |
| 24. | 85 | 62 | 77 | 56 | 72 | 51 | 63 | 49 | 94 | 56 | 72 | 50 | 68 | 54 | 81 | 48 | 72 | 54 | 81 | 63 | 91 | 45 | 45 | 45 | |
| 25. | 72 | 53 | 68 | 50 | 70 | 52 | 62 | 49 | 76 | 55 | 68 | 53 | 71 | 54 | 72 | 46 | 74 | 53 | 71 | 55 | 85 | 53 | 53 | 53 | |
| 26. | 71 | 53 | 67 | 51 | 72 | 51 | 60 | 50 | 75 | 52 | 60 | 51 | 67 | 52 | 72 | 46 | 71 | 52 | 70 | 55 | 84 | 43 | 43 | 43 | |
| 27. | 65 | 47 | 67 | 48 | 77 | 50 | 65 | 44 | 73 | 53 | 67 | 50 | 66 | 49 | 68 | 44 | 75 | 48 | 68 | 52 | 66 | 49 | 49 | 49 | |
| 28. | 75 | 46 | 82 | 44 | 76 | 51 | 67 | 41 | 82 | 53 | 75 | 44 | 71 | 51 | 81 | 34 | 85 | 44 | 79 | 45 | 76 | 40 | 40 | 40 | |
| 29. | 80 | 58 | 85 | 51 | 78 | 44 | 65 | 46 | 83 | 56 | 67 | 55 | 72 | 54 | 84 | 42 | 86 | 47 | 78 | 57 | 92 | 41 | 41 | 41 | |
| 30. | 91 | 57 | 94 | 55 | 80 | 50 | 72 | 44 | 94 | 48 | 72 | 45 | 85 | 54 | 94 | 41 | 91 | 51 | 91 | 51 | 94 | 50 | 50 | 50 | |
| 31. | 95 | 59 | 91 | 60 | 84 | 50 | 66 | 46 | 99 | 53 | 64 | 50 | 86 | 60 | 93 | 48 | 91 | 53 | 95 | 56 | 99 | 47 | 47 | 47 | |
| Mean..... | 75.9 | 51.5 | 74.8 | 47.4 | 69.4 | 47.3 | 61.8 | 44.2 | 80.9 | 48.6 | 64.1 | 45.7 | 69.7 | 50.4 | 75.1 | 38.3 | 74.0 | 46.2 | 76.4 | 49.4 | 70.2 | 41.7 | | | |